

INKA CABLE

PRODUCT CATALOG



iNKACABLE



INKA CABLE NEGOTINO

INTEKAR GLOBAL Corporation is established in 2020 specialized in the production of energy cables. It tries to meet the demands of the domestic and foreign markets with its productions.

INTEKAR GLOBAL Corporation Production range:

- 300/300 Volt Installation Cables
- 300/500 Volt Installation Cables
- 450/750 Volt Installation Cables
- 600/1000 Volt Copper and Aluminum Low Voltage Energy Cables
- 6/10 kV, 12/20 kV, 18/30 kV and 20.3/35 kV Copper and Aluminum Medium Voltage Energy Cables
- 600/1000 Volt Copper and Aluminum Aerial Line (ABC & NFA2X) Power Cables
- Bare or Insulated Aerial Line Copper and Aluminum Energy Cables and Conductors
- Bare and Braided Overhead Line Copper and Aluminum Conductors
- PVC Granules for Plumbing and Energy Cables
- Wooden Spools for Plumbing and Energy Cables

In integrated facilities with a total area of 170,000m², of which 45,000m² of indoor area; It continues its production of energy cables, overhead line conductors, granules and wooden spool manufacturing in accordance with TSE, VDE, IEC and other special standards requested by its customers, with personnel who are knowledgeable and experienced in their fields and modern production techniques.

INTEKAR GLOBAL Corporation works are carried out by a team with many years of expertise in the field, taking into account the requirements of TS EN ISO 9001 Quality Management System, TS EN ISO 14001 Environmental Management System and TS-EN-ISO 45001 Occupational Health and Safety Management System.

In our company's laboratories, cables produced according to the above-mentioned standards are inspected and tested with modern inspection and testing devices.

INTEKAR GLOBAL Corporation will continue to offer quality products to its customers by constantly and closely following the developing technology, in close cooperation with the customers, in the face of changing demands.

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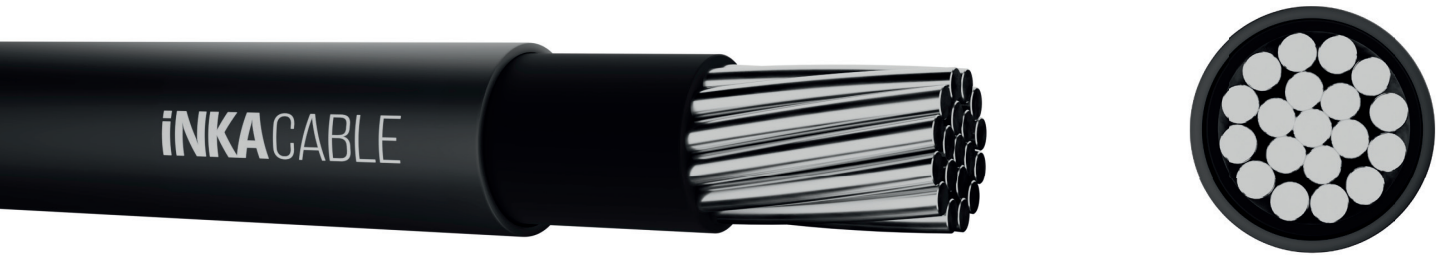
YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Aluminum Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_o/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x16	RM	9,7	120	1000	1,91	80	75
1x25	RM	11,3	150	1000	1,20	125	87
1x35	RM	12,2	190	1000	0,868	151	131
1x50	RM	13,7	270	1000	0,641	179	160
1x70	RM	15,4	330	1000	0,443	218	202
1x95	RM	17,7	430	1000	0,320	261	249
1x120	RM	19,1	530	1000	0,253	297	291
1x150	RM	21,1	680	1000	0,206	332	333
1x185	RM	23,3	780	1000	0,164	376	384
1x240	RM	26,2	1000	1000	0,125	437	460
1x300	RM	29,1	1290	1000	0,100	494	530
1x400	RM	32,3	1650	1000	0,0778	572	642

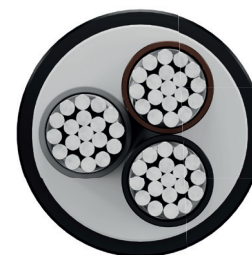
YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16	RM	20,5	510	1000	1,91	70	65
3x25	RM	24,0	800	1000	1,20	99	83
3x35	RM	25,9	940	1000	0,868	120	102
3x50	RM	29,0	1200	1000	0,641	142	124
3x70	RM	33,5	1640	1000	0,443	176	158
3x95	RM	38,2	2150	1000	0,320	211	160
3x120	RM	41,6	2400	1000	0,253	242	220
3x150	RM	46,0	3100	1000	0,206	270	252
3x185	RM	50,8	3700	500	0,164	308	289
3x240	RM	57,3	4800	500	0,125	363	339
3x300	RM	63,5	5800	500	0,100	412	377
3x400	RM	70,5	7500	500	0,0778	475	444

YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

6Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	One system	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16 + 10	RM	22,0	560	1000	1,91	70	65
3x25 + 16	RM	25,8	910	1000	1,20	99	83
3x35 + 16	RM	28,0	1020	1000	0,868	118	102
3x50 + 25	RM	32,2	1400	1000	0,641	142	124
3x70 + 35	RM	37,0	1810	1000	0,443	176	158
3x95 + 50	RM	42,4	2450	1000	0,320	211	160
3x120 + 70	RM	47,0	2950	1000	0,253	242	220
3x150 + 70	RM	51,0	3500	1000	0,206	270	252
3x185 + 95	RM	56,7	4300	500	0,164	308	289
3x240 + 120	RM	63,6	5600	500	0,125	363	339
3x300 + 150	RM	70,3	6600	500	0,100	412	377

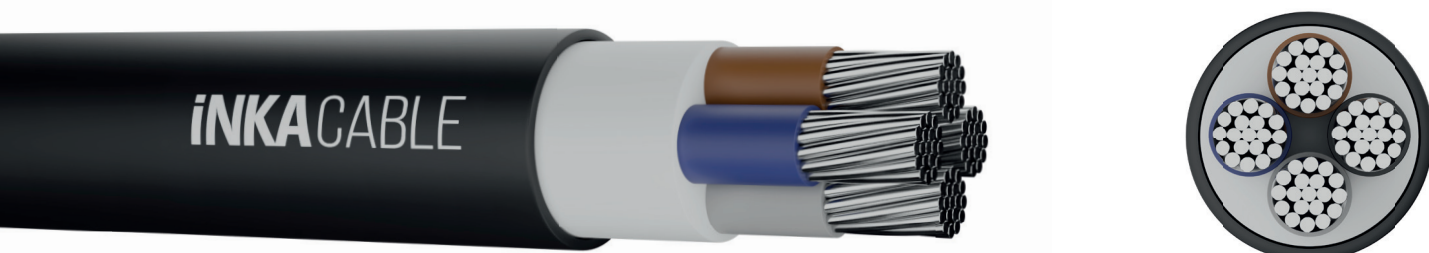
YAVV-R / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x16	RM	22,3	600	1000	1,91	70	65
4x25	RM	26,2	950	1000	1,20	99	83
4x35	RM	28,3	1130	1000	0,868	118	102
4x50	RM	32,5	1550	1000	0,641	142	124
4x70	RM	37,0	2000	1000	0,443	176	158
4x95	RM	42,3	2600	1000	0,320	211	160
4x120	RM	46,4	3100	1000	0,253	242	220
4x150	RM	51,0	3900	1000	0,206	270	252
4x185	RM	56,8	4800	500	0,164	308	289
4x240	RM	63,6	6000	500	0,125	363	339
4x300	RM	70,5	7400	500	0,100	412	377
4x400	RM	78,9	9600	500	0,0778	475	444



CABLE FACTORY NEGOTINO - FKN
INTERCAR GLOBAL

YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x1,5	RE	5,8	50	1000	12,1	-	25
1x2,5	RE	6,1	60	1000	7,41	-	34
1x4	RE	7,0	85	1000	4,61	-	45
1x6	RE	7,5	105	1000	3,08	-	57
1x10	RM	8,7	155	1000	1,83	-	78
1x16	RM	9,7	210	1000	1,15	127	103
1x25	RM	11,3	310	1000	0,727	163	137
1x35	RM	12,2	420	1000	0,524	195	169
1x50	RM	13,7	560	1000	0,387	230	206
1x70	RM	15,4	780	1000	0,268	282	261
1x95	RM	17,7	1040	1000	0,193	336	321
1x120	RM	19,1	1300	1000	0,153	382	374
1x150	RM	21,1	1600	1000	0,124	428	428
1x185	RM	23,3	1900	1000	0,0991	483	494
1x240	RM	26,2	2450	1000	0,0754	561	590
1x300	RM	29,1	3000	1000	0,0601	632	678
1x400	RM	32,3	4000	1000	0,0470	730	817
1x500	RM	36,2	5000	1000	0,0366	823	940
1x630	RM	39,9	6150	500	0,0283	866	1100

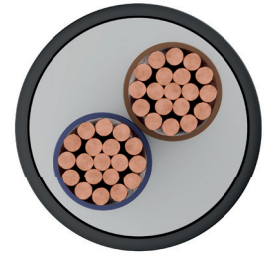
YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
2x1,5	RE	11,5	170	1000	12,1	32	20
2x2,5	RE	12,3	220	1000	7,41	42	27
2x4	RE	14,0	320	1000	4,61	54	37
2x6	RE	15,0	370	1000	3,08	68	48
2x10	RM	17,4	550	1000	1,83	90	66
2x16	RM	19,4	680	1000	1,15	116	89
2x25	RM	22,6	1000	1000	0,727	150	118
2x35	RM	24,4	1250	1000	0,524	181	145
2x50	RM	27,3	1650	1000	0,387	215	176
2x70	RM	30,9	2200	1000	0,268	264	224
2x95	RM	35,7	2950	1000	0,193	317	271
2x120	RM	38,8	3600	1000	0,153	360	314
2x150	RM	42,5	4300	1000	0,124	406	361
2x185	RM	47,4	5500	500	0,0991	458	412
2x240	RM	53,1	7000	500	0,0754	537	484
2x300	RM	59,1	8700	500	0,0601	604	556

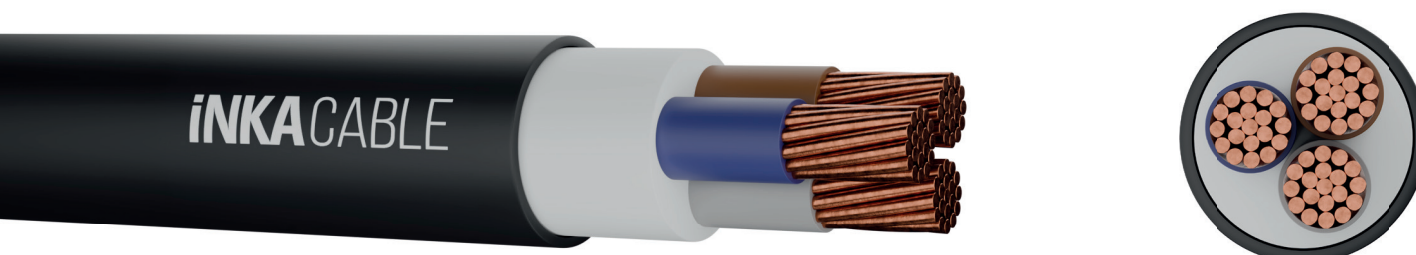
YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	50 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	One System	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x1,5	RE	12,0	220	1000	12,1	26	18,5
3x2,5	RE	12,8	250	1000	7,41	34	25
3x4	RE	14,7	360	1000	4,61	44	34
3x6	RE	15,8	430	1000	3,08	56	43
3x10	RM	18,3	640	1000	1,83	75	60
3x16	RM	20,5	850	1000	1,15	98	80
3x25	RM	24,0	1250	1000	0,727	128	106
3x35	RM	25,9	1600	1000	0,524	157	131
3x50	RM	29	2100	1000	0,387	185	159
3x70	RM	33,5	2900	1000	0,268	228	202
3x95	RM	38,2	3900	1000	0,193	275	244
3x120	RM	41,6	4750	1000	0,153	313	282
3x150	RM	46,0	5900	500	0,124	353	324
3x185	RM	50,8	7250	500	0,0991	399	371
3x240	RM	57,3	9250	500	0,0754	464	436
3x300	RM	63,5	11500	250	0,0601	524	481
3x400	RM	70,5	15300	250	0,0470	600	560

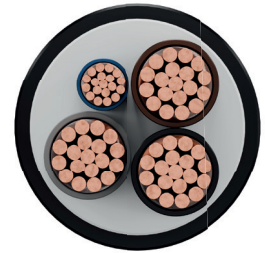
YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6 / 1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16 + 10	RM/RM	22,0	980	1000	1,15	98	80
3x25 + 16	RM/RM	25,8	1500	1000	0,727	128	106
3x35 + 16	RM/RM	28,0	1800	1000	0,524	157	131
3x50 + 25	RM/RM	32,2	2420	1000	0,387	185	159
3x70 + 35	RM/RM	37,0	3400	1000	0,268	228	202
3x95 + 50	RM/RM	42,4	4400	1000	0,193	275	244
3x120 + 70	RM/RM	47,0	5500	500	0,153	313	282
3x150 + 70	RM/RM	51,0	6500	500	0,124	353	324
3x185 + 95	RM/RM	56,7	8300	500	0,0991	399	371
3x240 + 120	RM/RM	63,6	10500	500	0,0754	464	436
3x300 + 150	RM/RM	70,3	13300	250	0,0601	524	481

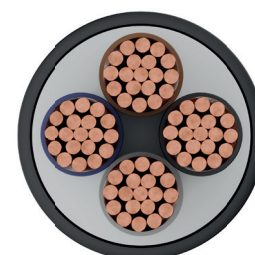
YVV-U, YVV-R / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

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Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One System	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside) underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1.5	RE	12,8	250	1000	12,1	26	18,5
4x2.5	RE	13,7	290	1000	7,41	34	25
4x4	RE	15,8	420	1000	4,61	44	34
4x6	RE	17,0	530	1000	3,08	56	43
4x10	RM	19,9	700	1000	1,83	75	60
4x16	RM	22,3	1060	1000	1,15	98	80
4x25	RM	26,2	1550	1000	0,727	128	106
4x35	RM	28,3	2000	1000	0,524	157	131
4x50	RM	32,5	2700	1000	0,387	185	159
4x70	RM	37,0	3700	1000	0,268	228	202
4x95	RM	42,3	5000	1000	0,193	275	244
4x120	RM	46,4	6200	500	0,153	313	282
4x150	RM	51,0	7600	500	0,124	353	324
4x185	RM	56,8	9450	500	0,0991	399	371
4x240	RM	63,6	12000	500	0,0754	464	436
4x300	RM	70,5	15000	250	0,0601	524	481
4x400	RM	78,9	19500	250	0,0470	600	560



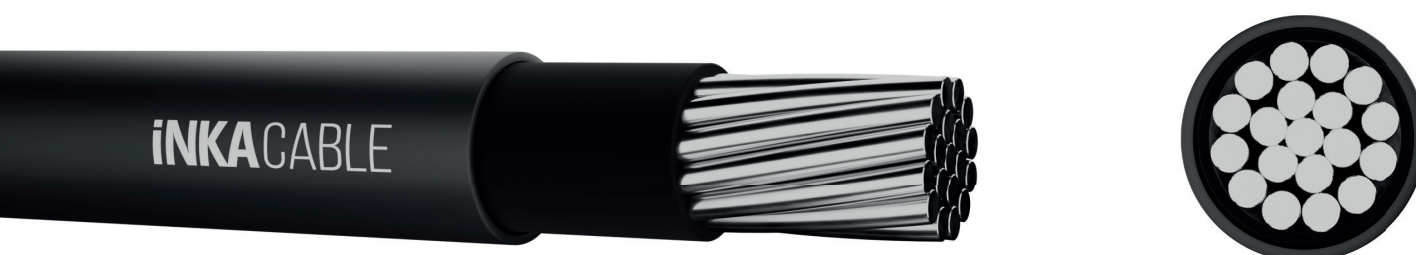
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Aluminum Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x25	RM	10,7	140	1000	1,200	150	135
1x35	RM	11,6	170	1000	0,868	164	163
1x50	RM	12,9	240	1000	0,641	195	200
1x70	RM	14,8	310	1000	0,443	238	254
1x95	RM	16,7	410	1000	0,320	284	313
1x120	RM	18,3	490	1000	0,253	323	366
1x150	RM	20,3	580	1000	0,206	361	420
1x185	RM	22,3	730	1000	0,164	408	486
1x240	RM	25,0	930	1000	0,125	476	585
1x300	RM	27,7	1140	1000	0,100	537	675
1x400	RM	30,9	1500	1000	0,0778	616	798
1x500	RM	34,8	1750	1000	0,0605	699	926

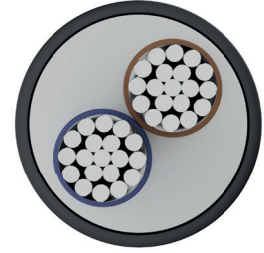
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
2x25	RM	21,4	590	1000	1,20	110	115
2x35	RM	23,2	690	1000	0,868	130	140
2x50	RM	25,7	880	1000	0,641	155	175
2x70	RM	29,5	1180	1000	0,443	195	220
2x95	RM	33,7	1510	1000	0,320	235	270

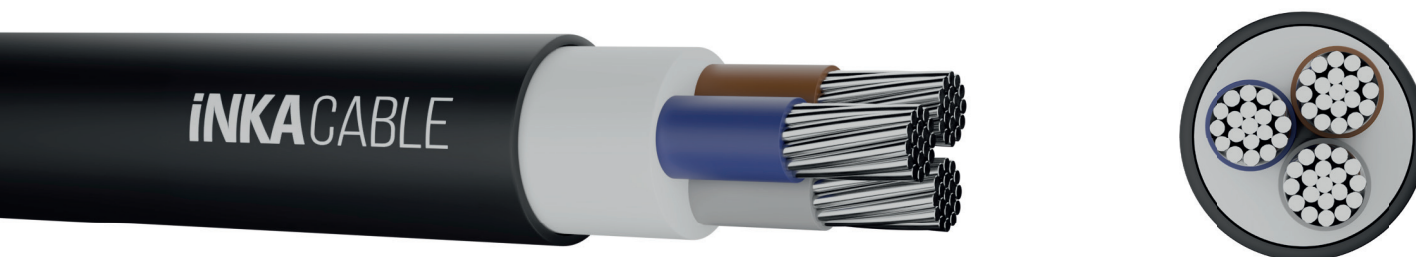
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown,Black,Grey
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x25	RM	22,7	640	1000	1,20	111	100
3x35	RM	24,6	810	1000	0,868	132	122
3x50	RM	27,3	1090	1000	0,641	157	147
3x70	RM	31,6	1400	1000	0,443	195	189
3x95	RM	35,9	1750	1000	0,320	233	232
3x120	RM	39,6	2200	1000	0,253	266	270
3x150	RM	44,2	2800	1000	0,206	299	308
3x185	RM	48,9	3400	1000	0,164	340	357
3x240	RM	54,5	4350	1000	0,125	401	435
3x300	RM	60,7	5300	500	0,100	455	501
3x400	RM	67,9	7000	500	0,0778	526	592

YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1$ kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x25 + 16	RM/RM	24,3	760	1000	1,20	111	100
3x35 + 16	RM/RM	26,5	880	1000	0,868	132	122
3x50 + 25	RM/RM	30,2	1210	1000	0,641	157	147
3x70 + 35	RM/RM	35,4	1650	1000	0,443	195	189
3x95 + 50	RM/RM	39,9	2070	1000	0,320	233	232
3x120 + 70	RM/RM	44,6	2600	1000	0,253	266	270
3x150 + 70	RM/RM	49,0	3200	1000	0,206	299	308
3x185 + 95	RM/RM	54,5	3900	1000	0,164	340	357
3x240 + 120	RM/RM	61,1	4850	500	0,125	401	435
3x300 + 150	RM/RM	67,4	5950	500	0,100	455	501

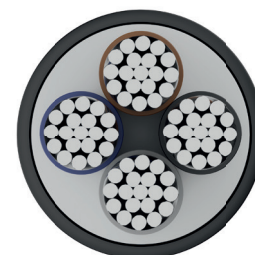
YAXV - R / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



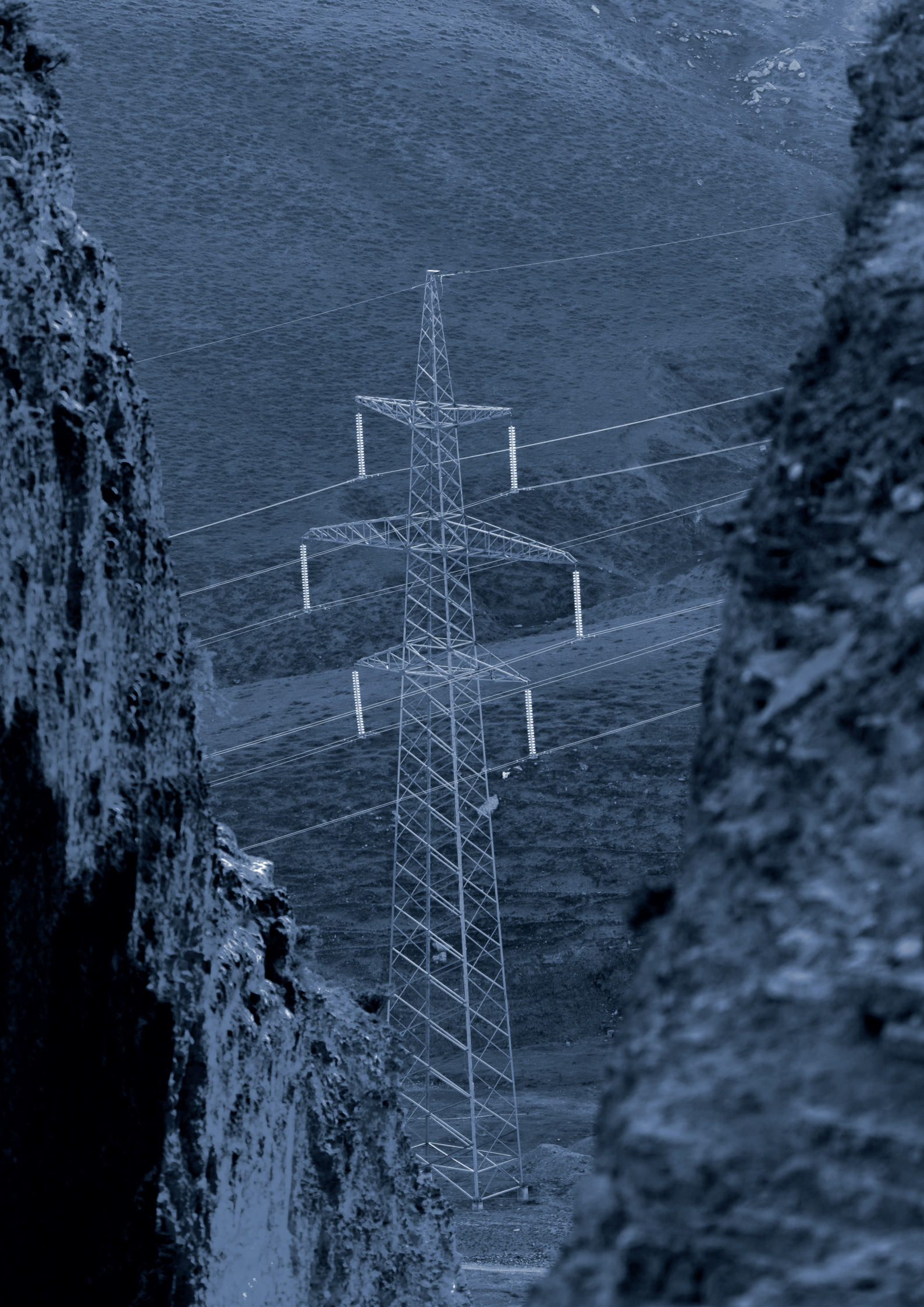
Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x25	RM	24,7	810	1000	1,20	111	100
4x35	RM	26,9	950	1000	0,868	132	122
4x50	RM	30,1	1250	1000	0,641	157	147
4x70	RM	35,3	1700	1000	0,443	195	189
4x95	RM	39,6	2200	1000	0,320	233	232
4x120	RM	44,4	2800	1000	0,253	266	270
4x150	RM	48,9	3400	1000	0,206	299	308
4x185	RM	54,2	4100	1000	0,164	340	357
4x240	RM	61,0	5350	500	0,125	401	435
4x300	RM	67,4	6500	500	0,100	455	501
4x400	RM	74,2	8600	500	0,0778	526	592



YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are with very low dielectric losses and are used as power cables in power centers, switchgear and industrial plants, in local energy distribution, where there is no risk of mechanical damage (externally, indoors), underground or in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x1,5	RE	5,5	45	1000	12,1	39	32
1x2,5	RE	6,0	55	1000	7,41	51	42
1x4	RE	6,4	73	1000	4,61	66	56
1x6	RE	6,9	94	1000	3,08	82	71
1x10	RM	8,1	138	1000	1,83	109	96
1x16	RM	9,1	205	1000	1,15	139	128
1x25	RM	10,7	305	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	525	1000	0,387	251	258
1x70	RM	14,8	755	1000	0,268	307	328
1x95	RM	16,7	995	1000	0,193	366	404
1x120	RM	18,3	1260	1000	0,153	416	471
1x150	RM	20,3	156	1000	0,124	465	541
1x185	RM	22,3	1890	1000	0,0991	526	626
1x240	RM	25	2430	1000	0,0754	610	749
1x300	RM	27,7	2995	1000	0,0601	689	864
1x400	RM	30,90	3980	1000	0,0470	788	1018
1x500	RM	34,8	4990	1000	0,0366	889	1173
1x630	RM	39,1	6050	1000	0,0283	917	1186

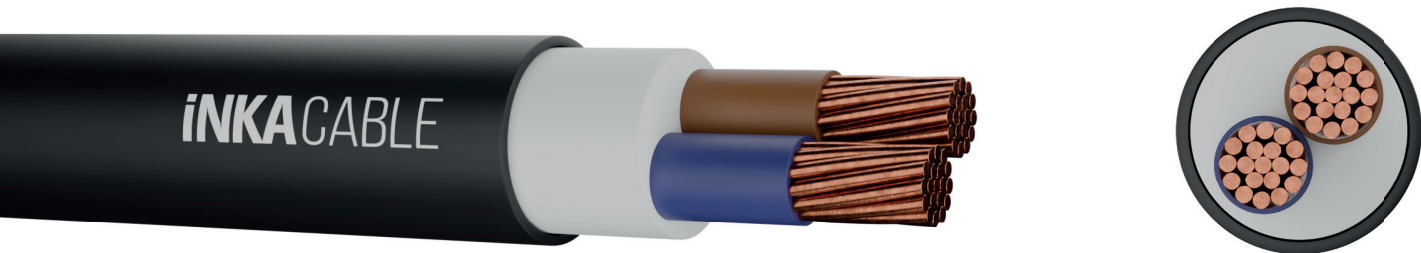
YXV - R / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
2x1,5	RE	11,1	150	1000	12,1	39	32
2x2,5	RE	11,9	190	1000	7,41	51	42
2x4	RE	12,8	255	1000	4,61	66	56
2x6	RE	13,8	305	1000	3,08	82	71
2x10	RM	16,2	450	1000	1,83	109	96
2x16	RM	18,2	620	1000	1,15	115	125
2x25	RM	21,4	910	1000	0,727	145	155
2x35	RM	23,2	1140	1000	0,524	175	195
2x50	RM	25,7	1470	1000	0,387	210	235
2x70	RM	29,5	2030	1000	0,268	255	300
2x95	RM	33,7	2710	1000	0,193	310	370
2x120	RM	37,2	3380	1000	0,153	355	430
2x150	RM	40,9	4100	1000	0,124	400	490
2x185	RM	45,6	5100	1000	0,0991	455	570
2x240	RM	50,9	6600	500	0,0754	530	680
2x300	RM	56,7	8250	500	0,0601	605	785
2x400	RM	63,2	10500	500	0,0470	690	860

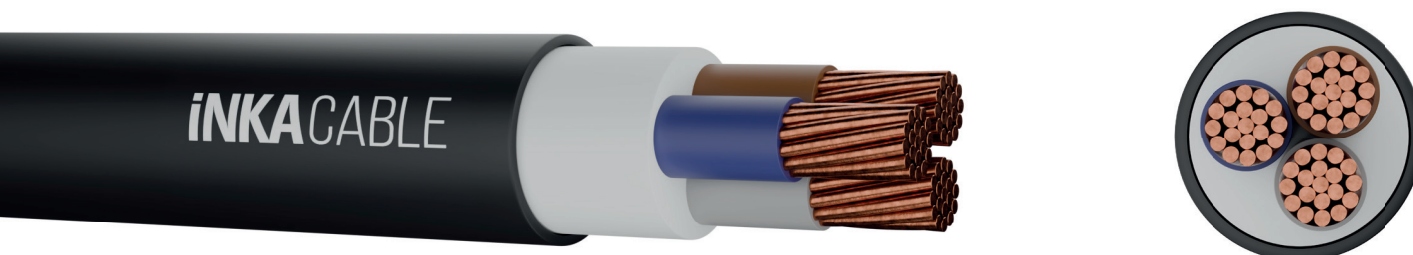
YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown,Black,Grey
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x1,5	RE	11,6	180	1000	12,1	30	24
3x2,5	RE	12,4	230	1000	7,41	40	32
3x4	RE	13,4	300	1000	4,61	52	42
3x6	RE	14,5	370	1000	3,08	64	53
3x10	RM	17,0	550	1000	1,83	86	73
3x16	RM	19,2	700	1000	1,15	111	96
3x25	RM	22,7	1150	1000	0,727	143	130
3x35	RM	24,6	1500	1000	0,524	173	160
3x50	RM	27,3	1950	1000	0,387	205	195
3x70	RM	31,6	2750	1000	0,268	252	247
3x95	RM	35,9	3600	1000	0,193	303	305
3x120	RM	39,6	4500	1000	0,153	346	356
3x150	RM	44,2	5600	500	0,124	390	407
3x185	RM	48,9	6900	500	0,0991	441	469
3x240	RM	54,5	8900	500	0,0754	511	551
3x300	RM	60,7	1100	250	0,0601	580	638
3x400	RM	67,9	14500	250	0,0470	663	746

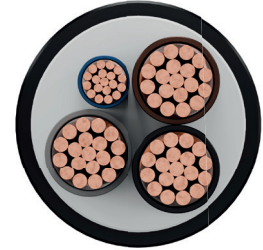
YXV - R / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1$ kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, cBlack, cGrey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16 + 10	RM	20,6	840	1000	1,15	111	96
3x25 + 16	RM	24,3	1290	1000	0,727	143	130
3x35 + 16	RM	26,5	1600	1000	0,524	173	160
3x50 + 25	RM	30,2	2100	1000	0,387	205	195
3x70 + 35	RM	35,4	3000	1000	0,268	252	247
3x95 + 50	RM	39,9	4000	1000	0,193	303	305
3x120 + 70	RM	44,6	5300	500	0,153	346	356
3x150 + 70	RM	49	6300	500	0,124	390	407
3x185 + 95	RM	54,5	7800	500	0,0991	441	469
3x240 + 120	RM	61,1	10150	500	0,0754	511	551
3x300 + 150	RM	67,4	12400	250	0,0601	580	638

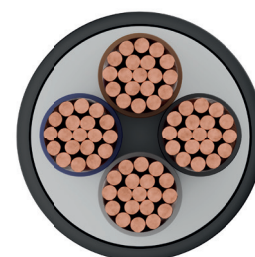
YXV - U, YXV - R, / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Blue, Brow, Grey, Black
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1,5	RE	12,3	190	1000	12,1	30	24
4x2,5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	340	1000	4,61	52	42
4x6	RE	15,5	460	1000	3,08	64	53
4x10	RM	18,4	640	1000	1,83	86	73
4x16	RM	20,8	910	1000	1,15	111	96
4x25	RM	24,7	1410	1000	0,727	143	130
4x35	RM	26,9	1900	1000	0,524	173	160
4x50	RM	30,1	2400	1000	0,387	205	195
4x70	RM	35,3	3400	1000	0,268	252	247
4x95	RM	39,6	4600	1000	0,193	303	305
4x120	RM	44,4	6000	500	0,153	346	356
4x150	RM	48,9	7300	500	0,124	390	407
4x185	RM	54,2	8900	500	0,0991	441	469
4x240	RM	61,0	11500	250	0,0754	511	551
4x300	RM	67,4	14200	250	0,0601	580	638
4x400	RM	74,2	18750	250	0,0470	663	746

CABLE FACTORY NEGOTINO - FKN INTEKAR GLOBAL

YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
43x50	SM	24,6	1000	10,641	142	124
3x70	SM	27,0	1000	0,443	176	158
3x95	SM	30,7	1000	0,320	211	160
3x120	SM	33,1	1000	0,253	242	220
3x150	SM	36,8	1000	0,206	270	252
3x185	SM	40,6	500	0,164	308	289
3x240	SM	45,6	500	0,125	363	339
3x300	SM	50,2	500	0,100	412	377

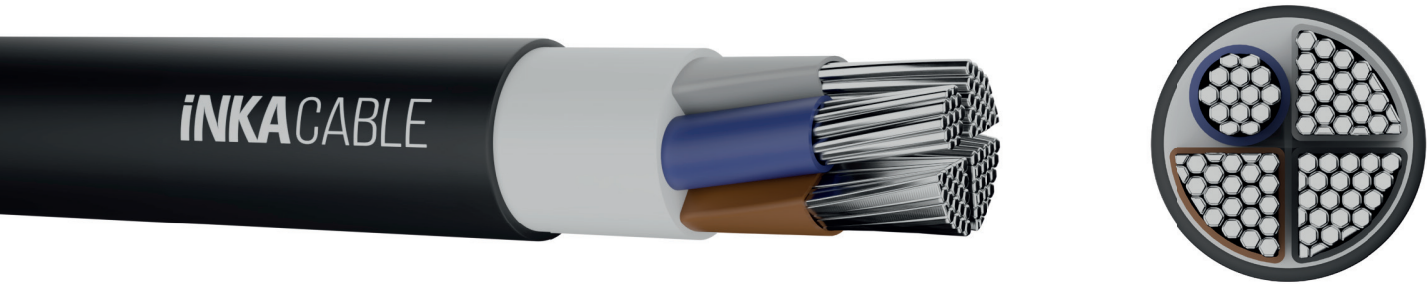
YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50 + 25	SM/RM	24,4	1000	10,641	142	124
3x70 + 35	SM/RM	27,4	1000	0,443	176	158
3x95 + 50	SM/RM	32,0	1000	0,320	211	160
3x120 + 70	SM/RM	35,0	1000	0,253	242	220
3x150 + 70	SM/RM	38,8	1000	0,206	270	252
3x185 + 95	SM/RM	43,2	500	0,164	308	289
3x240 + 120	SM/RM	49,0	500	0,125	363	339
3x300 + 150	SM/RM	54,2	500	0,100	412	377

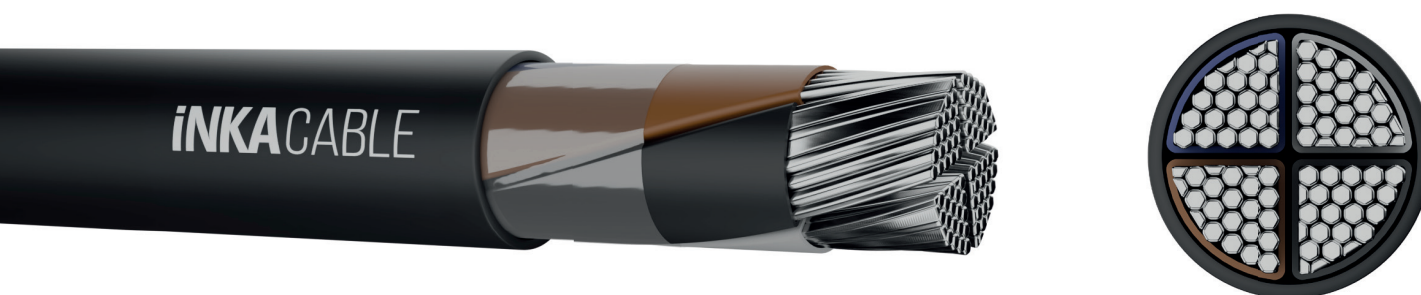
YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape/ PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U : 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	25,4	1000	0,641	142	124
4x70	SM	28,6	1000	0,443	176	158
4x95	SM	33,0	1000	0,320	211	160
4x120	SM	36,0	1000	0,253	242	220
4x150	SM	40,0	1000	0,206	270	252
4x185	SM	44,4	500	0,164	308	289
4x240	SM	50,2	500	0,125	363	339
4x300	SM	55,4	500	0,100	412	377
4x400	SM	63,6	500	0,0778	475	444

YAVV / NAYY / PP 00-A

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Cores / Aluminum Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

SM - multiwire sector shaped conductor

RE - solid round conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50 + 1,5	SM/RE	34,0	1000	0,641	142	124
4x70 + 1,5	SM/RE	38,5	1000	0,443	176	158
4x95 + 1,5	SM/RE	43,5	1000	0,320	211	160
4x120 + 1,5	SM/RE	48,0	1000	0,253	242	220
4x150 + 1,5	SM/RE	53,0	1000	0,206	270	252
4x185 + 1,5	SM/RE	59,0	500	0,164	308	289
4x240 + 1,5	SM/RE	66,0	500	0,125	363	339



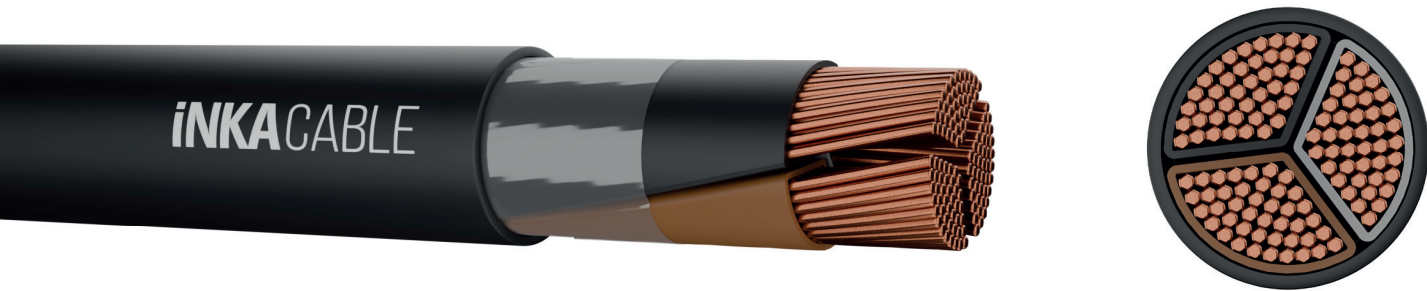
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50	SM	24,6	1000	0,387	185	159
3x70	SM	27,0	1000	0,268	228	202
3x95	SM	30,7	1000	0,193	275	244
3x120	SM	33,1	500	0,153	313	282
3x150	SM	36,8	500	0,124	353	324
3x185	SM	40,6	500	0,0991	399	371
3x240	SM	45,6	500	0,0754	464	436
3x300	SM	50,2	250	0,0601	524	481

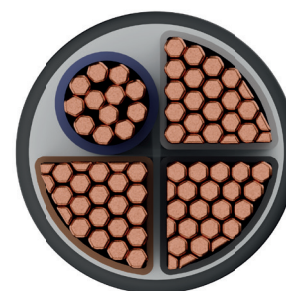
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50 + 25	SM/RM	24,4	1000	0,387	185	159
3x70 + 35	SM/RM	27,4	1000	0,268	228	202
3x95 + 50	SM/RM	32,0	1000	0,193	275	244
3x120 + 70	SM/RM	35,0	500	0,153	313	282
3x150 + 70	SM/RM	38,8	500	0,124	353	324
3x185 + 95	SM/RM	43,2	500	0,0991	399	371
3x240 + 120	SM/RM	49,0	500	0,0754	464	436

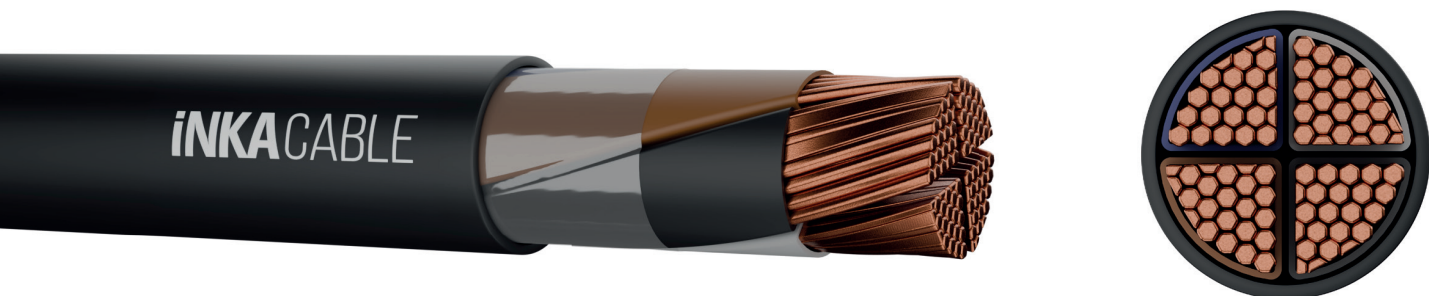
YVV / NYY / PP 00

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / PVC insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	25,4	1000	0,387	185	159
4x70	SM	28,6	1000	0,268	228	202
4x95	SM	33,0	1000	0,193	275	244
4x120	SM	36,0	500	0,153	313	282
4x150	SM	40,4	500	0,124	353	324
4x185	SM	44,4	500	0,0991	399	371
4x240	SM	50,2	500	0,0754	464	436



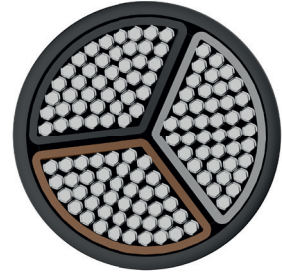
YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50 + 1,5	SM/RE	31,5	1000	0,641	157	147
4x70 + 1,5	SM/RE	36,5	1000	0,443	195	189
4x95 + 1,5	SM/RE	41,0	1000	0,320	233	232
4x120 + 1,5	SM/RE	46,0	1000	0,253	266	270
4x150 + 1,5	SM/RE	51,0	1000	0,206	299	308
4x185 + 1,5	SM/RE	56,5	1000	0,164	340	357
4x240 + 1,5	SM/RE	63,0	500	0,125	401	435

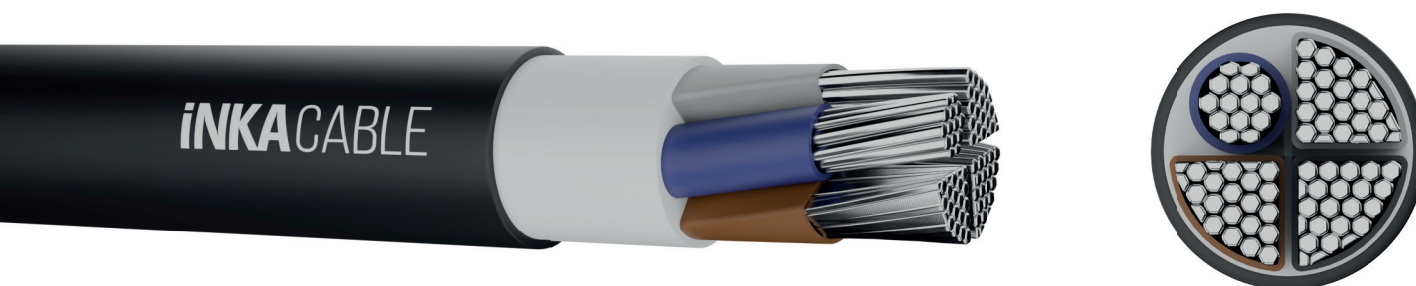
YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

RM - multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50 + 25	SM/RM	22,8	1000	0,641	157	147
3x70 + 35	SM/RM	26,2	1000	0,443	195	189
3x95 + 50	SM/RM	30,0	1000	0,320	233	232
3x120 + 70	SM/RM	33,4	1000	0,253	266	270
3x150 + 70	SM/RM	37,2	1000	0,206	299	308
3x185 + 95	SM/RM	41,6	1000	0,164	340	357
3x240 + 120	SM/RM	47,0	500	0,125	401	435
3x300 + 150	SM/RM	51,8	500	0,100	455	501

YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM – multiwire sector shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	23,8	1000	0,641	157	147
4x70	SM	27,4	1000	0,443	195	189
4x95	SM	31,0	1000	0,320	233	232
4x120	SM	34,4	1000	0,253	266	270
4x150	SM	38,4	1000	0,206	299	308
4x185	SM	42,8	1000	0,164	340	357
4x240	SM	48,2	500	0,125	401	435
4x300	SM	53,0	500	0,100	455	501
4x400	SM	61,2	500	0,0778	526	592

YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM - multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50 + 1,5	SM/RE	31,5	1000	0,641	157	147
4x70 + 1,5	SM/RE	36,5	1000	0,443	195	189
4x95 + 1,5	SM/RE	41,0	1000	0,320	233	232
4x120 + 1,5	SM/RE	46,0	1000	0,253	266	270
4x150 + 1,5	SM/RE	51,0	1000	0,206	299	308
4x185 + 1,5	SM/RE	56,5	1000	0,164	340	357
4x240 + 1,5	SM/RE	63,0	500	0,125	401	435

YAXV / NA2XY / XP 00-A

Standard: TS IEC 60502-1 / IEC 60502-1 / HD 603 S1 / VDE 0276

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

SM – multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	23,8	1000	0,641	157	147
4x70	SM	27,4	1000	0,443	195	189
4x95	SM	31,0	1000	0,320	233	232
4x120	SM	34,4	1000	0,253	266	270
4x150	SM	38,4	1000	0,206	299	308
4x185	SM	42,8	1000	0,164	340	357
4x240	SM	48,2	500	0,125	401	435
4x300	SM	52,8	500	0,100	455	501
4x400	SM	61,0	500	0,0778	526	592



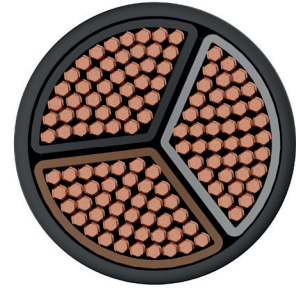
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

SM – multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50	SM	23,2	1000	0,387	205	195
3x70	SM	25,9	1000	0,268	252	247
3x95	SM	28,9	1000	0,193	303	305
3x120	SM	31,2	500	0,153	346	356
3x150	SM	35,3	500	0,124	390	407
3x185	SM	39,2	500	0,0991	441	469
3x240	SM	43,8	250	0,0754	511	551
3x300	SM	48,0	250	0,0601	580	638

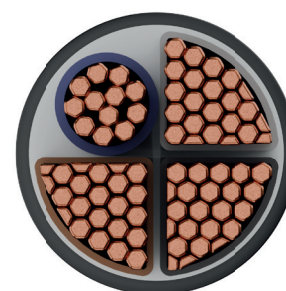
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RM – multiwire round shaped conductor

SM – multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50 + 25	SM/RM	22,8	1000	0,387	205	195
3x70 + 35	SM/RM	26,2	1000	0,268	252	247
3x95 + 50	SM/RM	30,0	1000	0,193	303	305
3x120 + 70	SM/RM	33,4	500	0,153	346	356
3x150 + 70	SM/RM	37,2	500	0,124	390	407
3x185 + 95	SM/RM	41,6	500	0,0991	441	469
3x240 + 120	SM/RM	47,0	500	0,0754	511	551

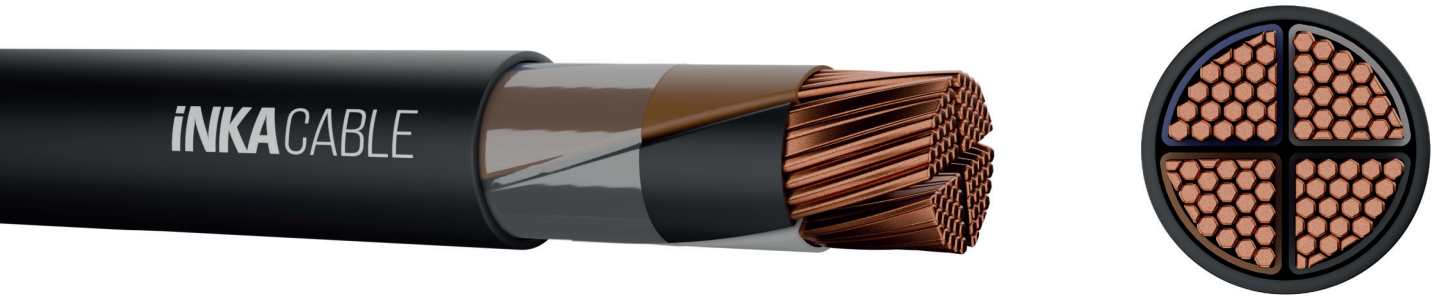
YXV / N2XY / XP 00

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Core / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



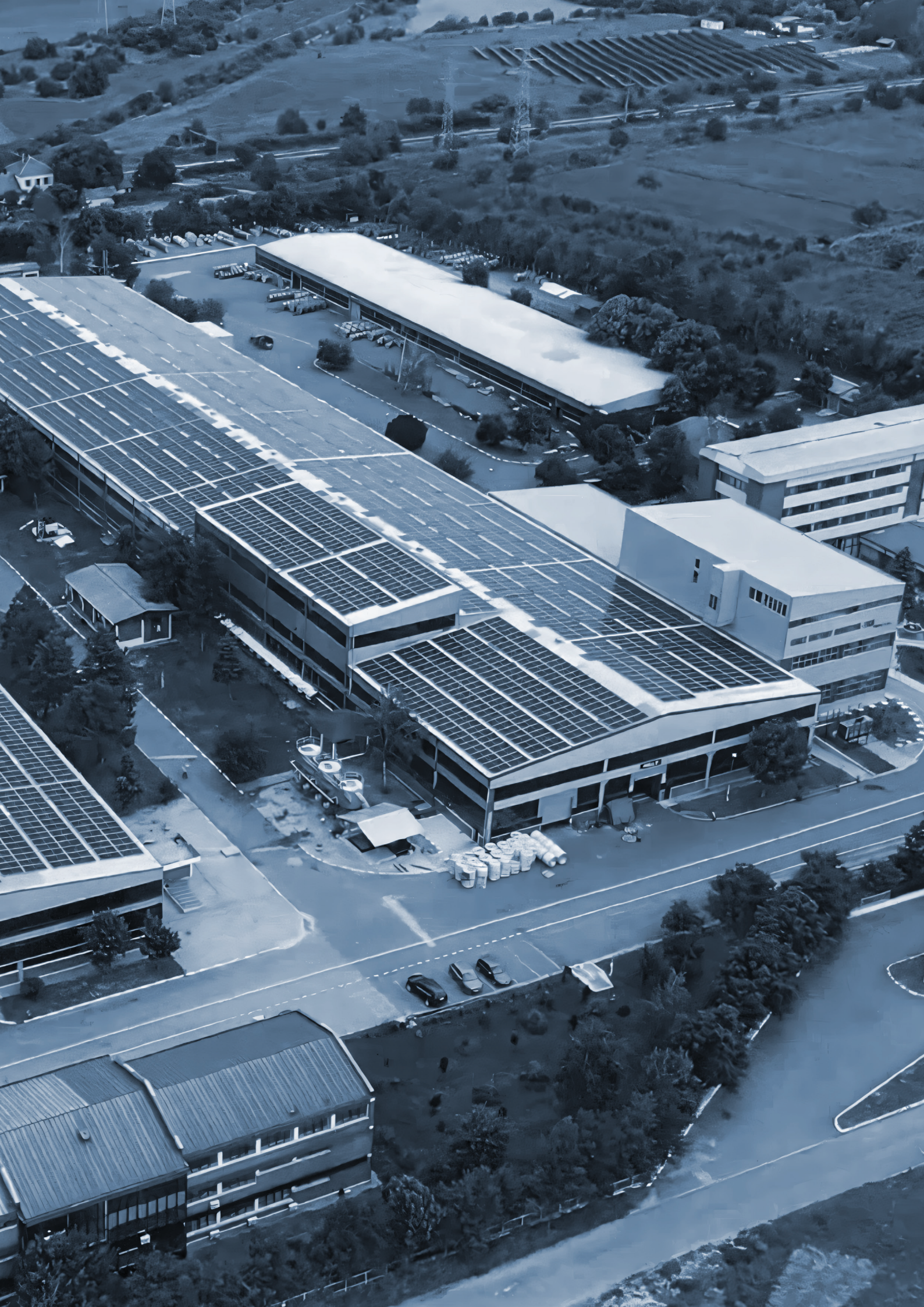
Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

SM – multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Cable Diameter (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	23,8	1000	0,387	205	195
4x70	SM	27,4	1000	0,268	252	247
4x95	SM	31,0	1000	0,193	303	305
4x120	SM	34,4	500	0,153	346	356
4x150	SM	38,4	500	0,124	390	407
4x185	SM	42,8	500	0,0991	441	469
4x240	SM	48,2	250	0,0754	511	551



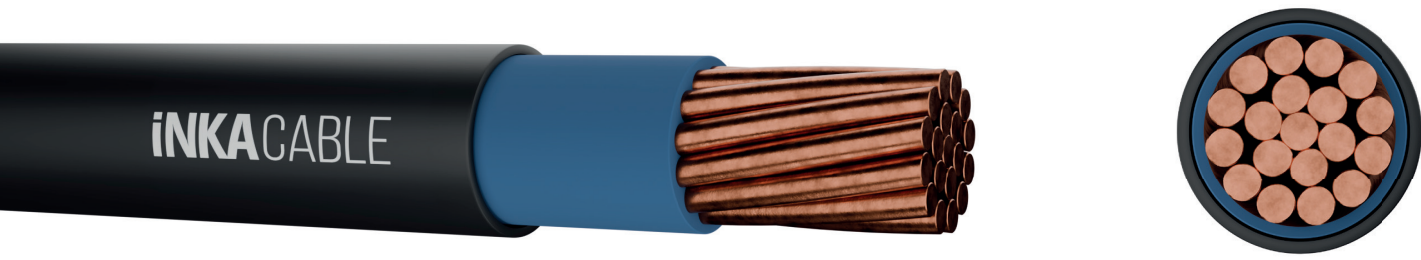
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

One Core / Copper Conductor / XLPE insulated / HFFR Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	Flat Formation	Sheath	IEC 60502-1 HFFR
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x4	RE	6,4	65	1000	4,61	66	56
1x6	RE	6,9	93	1000	3,08	82	71
1x10	RM	8,1	120	1000	1,83	109	96
1x16	RM	9,1	190	1000	1,15	139	128
1x25	RM	10,7	290	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	505	1000	0,387	251	258
1x70	RM	14,8	760	1000	0,268	307	328
1x95	RM	16,7	955	1000	0,193	366	404
1x120	RM	18,3	1195	1000	0,153	416	471
1x150	RM	20,3	1510	1000	0,124	465	541
1x185	RM	22,3	1840	1000	0,0991	526	626
1x240	RM	25	2340	1000	0,0754	610	749
1x300	RM	27,7	3010	1000	0,0601	689	864
1x400	RM	30,9	3920	1000	0,0470	788	1018
1x500	RM	34,8	4950	1000	0,0366	889	1173

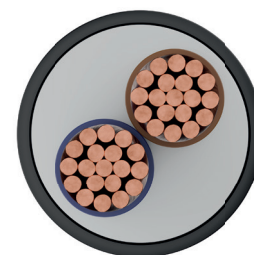
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Two Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

SM – multiwire sector shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
2x1,5	RE	11,1	155	1000	12,1	639	32
2x2,5	RE	11,9	190	1000	7,41	51	42
2x4	RE	12,8	235	1000	4,61	66	56
2x6	RE	13,8	300	1000	3,08	82	71
2x10	RM	16,2	425	1000	1,83	109	96
2x16	RM	18,2	615	1000	1,15	115	125
2x25	RM	21,4	940	1000	0,727	145	155
2x35	RM	23,2	1210	1000	0,524	175	195
2x50	RM	25,7	1490	1000	0,387	210	235
2x70	RM	29,5	2090	1000	0,268	255	300
2x95	RM	33,7	2770	1000	0,193	310	370
2x120	RM	37,2	3480	1000	0,153	355	430
2x150	RM	40,9	4280	1000	0,124	400	490
2x185	RM	45,6	5300	1000	0,0991	455	570
2x240	RM	50,9	6910	500	0,0754	530	680
2x300	RM	56,7	8520	500	0,0601	605	785
2x400	RM	63,2	10800	500	0,0470	690	860

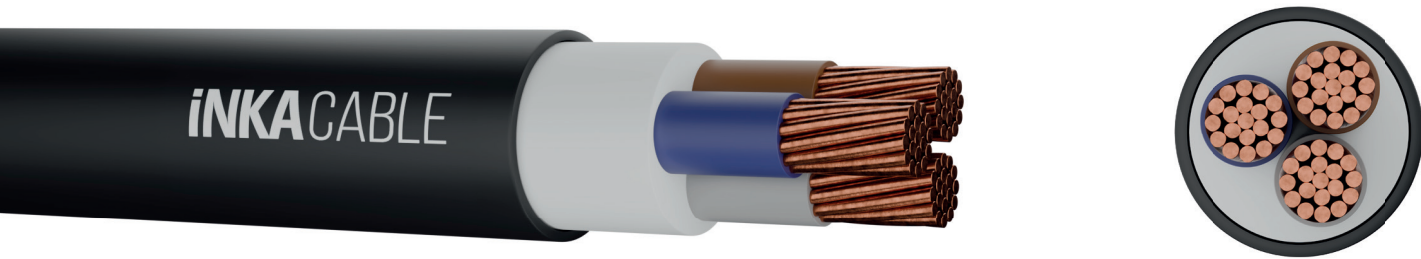
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Three Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1\text{ kV}$



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x1,5	RE	11,6	155	1000	12,1	30	24
3x2,5	RE	12,4	205	1000	7,41	40	32
3x4	RE	13,4	245	1000	4,61	52	42
3x6	RE	14,5	345	1000	3,08	64	53
3x10	RM	17	510	1000	1,83	86	73
3x16	RM	19,2	690	1000	1,15	111	96
3x25	RM	22,7	1140	1000	0,727	143	130
3x35	RM	24,6	1510	1000	0,524	173	160
3x50	RM	27,3	1940	1000	0,387	205	195
3x70	RM	31,6	1980	1000	0,268	252	247
3x95	RM	35,9	3590	1000	0,193	303	305
3x120	RM	39,6	4510	1000	0,153	346	355
3x150	RM	44,2	5520	500	0,124	390	407
3x185	RM	48,9	6820	500	0,0991	441	469
3x240	RM	54,5	8910	500	0,0754	511	551
3x300	RM	60,7	11000	250	0,0601	580	638
3x400	RM	67,9	14150	250	0,0470	663	746

YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0.6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x16 + 10	RM	20,6	840	1000	1,15	111	96
3x25 + 16	RM	24,3	1360	1000	0,727	143	130
3x35 + 16	RM	26,5	1660	1000	0,524	173	160
3x50 + 25	RM	30,2	2210	1000	0,387	205	195
3x70 + 35	RM	35,4	3120	1000	0,268	252	247
3x95 + 50	RM	39,9	4150	1000	0,193	303	305
3x120 + 70	RM	44,6	5100	500	0,153	346	355
3x150 + 70	RM	49	6150	500	0,124	390	407
3x185 + 95	RM	54,5	7700	500	0,0991	441	469
3x240 + 120	RM	61,1	10000	500	0,0754	511	551
3x300 + 150	RM	67,4	12350	250	0,0601	580	638

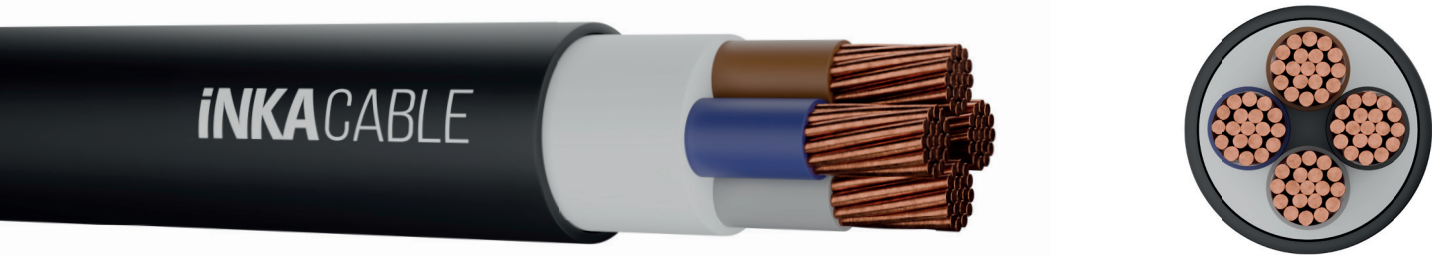
YXZ1 - U, YXZ1-R / N2XH

Standard: TS IEC 60502-1 / IEC 60502 - 1 / HD 603 S1 / VDE 0276

Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6/1$ kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1.5	RE	12,3	1200	1000	12,1	30	24
4x2.5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	310	1000	4,61	52	42
4x6	RE	15,5	390	1000	3,08	64	53
4x10	RM	18,4	570	1000	1,83	86	73
4x16	RM	20,8	840	1000	1,15	111	96
4x25	RM	24,7	1250	1000	0,727	143	130
4x35	RM	26,9	1650	1000	0,524	173	160
4x50	RM	30,1	2200	1000	0,387	205	195
4x70	RM	35,3	3100	1000	0,268	252	247
4x95	RM	39,6	4150	1000	0,193	303	305
4x120	RM	44,4	5400	500	0,153	346	355
4x150	RM	48,9	7000	500	0,124	390	407
4x185	RM	54,2	8700	500	0,0991	441	469
4x240	RM	61,0	11300	250	0,0754	511	551
4x300	RM	67,4	13900	250	0,0601	580	638
4x400	RM	74,2	18000	250	0,0470	663	746



H07V - U / NYA & P/J

Standard: TS EN 50525-2-31, TS IEC 60227; VDE 0295/ IEC60228

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	Solid Copper Conductor Class 1
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	12 x D Cable	Sheath	No Sheath

Application

H07V -U is a Single core cable with solid copper conductor and is with PVC insulation. It is used in the connections of mobile devices, in closed and dry places inside the building, under or above the plaster, where there is little mechanical stress. Nominal voltage 450/750 V.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1x1,5	RE	2,8	20	100	12,1	24
1x2,5	RE	3,3	31	100	7,41	32
1x4	RE	3,8	46	100	4,61	42
1x6	RE	4,3	65	100	3,08	54
1x10	RE	5,5	108	100	1,83	73

H07V - R / NYA & P/M

Standard: TS EN 50525-2-31, TS IEC 60227

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U_0/U ; 450/750 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Multi Stranded Conductor
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	6 x D Cable	Sheath	Multi Stranded Conductor

Application

H07V - R is a PVC insulated non-sheathed, multiwire cable with copper conductor, that is preferably for installation indoors, in cable ducts and in industrial plants or switching stations, under ground installation, It is used in pipes under or over the plaster, Nominal voltage 450/750 V.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1x10	RM	5,9	110	100	1,83	73
1x16	RM	7,0	170	1000	1,15	98
1x25	RM	8,6	260	1000	0,727	129
1x35	RM	9,5	355	1000	0,524	158
1x50	RM	10,9	485	1000	0,387	198
1x70	RM	12,7	685	1000	0,268	245
1x90	RM	14,8	940	1000	0,193	292
1x120	RM	16,2	1175	1000	0,153	344
1x150	RM	18,0	1440	1000	0,124	391
1x185	RM	20,1	1800	1000	0,0991	448
1x240	RM	22,9	2370	1000	0,0754	528

H07V - K / NYAF & P/FJ

Standard: TS EN 50525-2-31, TS IEC 60227

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible copper conductor Class 5
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	6 x D Cable	Sheath	No Sheath

Application

H07V - K is a PVC insulated non-sheathed, single core cable with flexible copper conductor, that is used in the connections of mobile devices, in dry places inside the building. It is used in pipes under or over the plaster, Nominal voltage 450/750 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1x1,5	FLEXIBLE	3,0	20	100	13,3	24
1x2,5	FLEXIBLE	3,7	31	100	7,98	32
1x4	FLEXIBLE	4,2	45	100	4,95	42
1x6	FLEXIBLE	4,8	63	100	3,30	54
1x10	FLEXIBLE	6,6	110	100	1,91	73
1x16	FLEXIBLE	7,9	165	100	1,21	98
1x25	FLEXIBLE	9,7	250	1000	0,780	129
1x35	FLEXIBLE	11,1	345	1000	0,554	158
1x50	FLEXIBLE	13,2	495	1000	0,386	198
1x70	FLEXIBLE	15,1	680	1000	0,272	245
1x95	FLEXIBLE	17,5	895	1000	0,206	292
1x120	FLEXIBLE	19,3	1125	1000	0,161	344
1x150	FLEXIBLE	21,6	1410	1000	0,129	391
1x185	FLEXIBLE	24,0	1750	1000	0,106	448
1x240	FLEXIBLE	27,1	2300	1000	0,0801	528

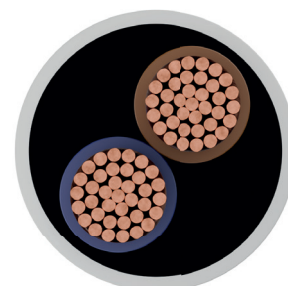
H03VV - F / TTR & PP/L

Standard: TS EN 50525-2-11/ DIN VDE 0281 (HD 21.5)

Multi Core / Copper Conductor / PVC insulated / PVC sheath

Installation Cables

Rated Voltage: U_0/U : 300/300 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible Copper Conductor
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	300 / 3060 V	Color of Insulation	Browb, Blue
Bending Radius, min.	6 x D Cable	Sheath	PVC
Rated current carrying capacity	One System	Color of Sheath	White or Black

Application

H03VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress. It is used in household appliances, steamy and humid places. Nominal voltage 300/300 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	A
2x0,50	FLEXIBLE	5,7	47,8	100	39,0	8
2x0,75	FLEXIBLE	5,9	54,0	100	26,0	13
3x0,50	FLEXIBLE	5,5	44,5	100	39,0	8
3x0,75	FLEXIBLE	5,7	52,8	100	26,0	13
4x0,50	FLEXIBLE	6,0	54,4	100	39,0	8
4x0,75	FLEXIBLE	6,3	64,9	100	26,0	13

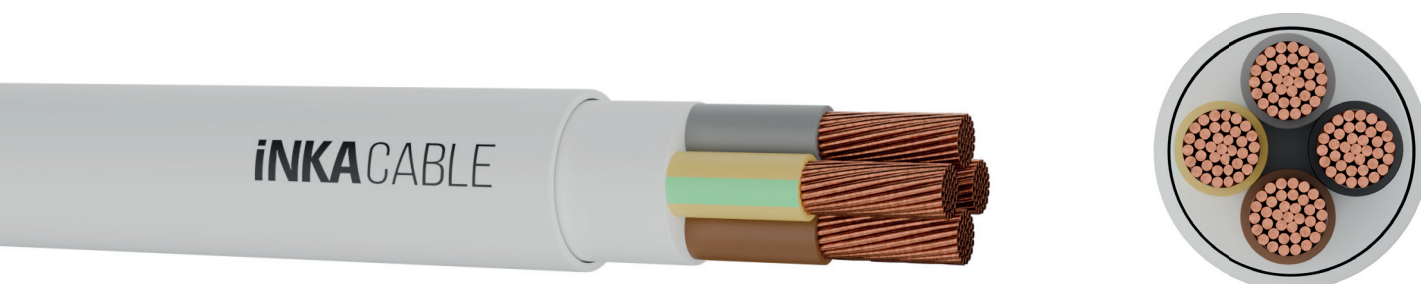
H05VV-F / TTR & PP/L

Standard: TS EN 50525-2-11 / VDE 0281 - 5 (HD 21.5)

Multi Core / Copper Conductor / PVC insulated / Filler (PVC) / PVC Sheath

Installation Cables

Rated Voltage: U₀/U; 300/500kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible copper conductor Class 5
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	300 / 500 V	Color of Insulation	
Bending Radius, min.	6 x D Cable	2x - Brown, Blue 3x - Brown, Blue, Yellow/Green 4x - Brown, Black, Blue, Yellow/Green 5x - Brown, Black, Grey, Blue, Yellow/Green	
Rated current carrying capacity	One system	Sheath	PVC
		Color of Sheath	White or Black

Application

H05VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress, It is used in household appliances, steamy and humid places. Nominal voltage 300/500 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
2x0,75	FLEXIBLE	6,7	70,4	100	26,0	13
2x1,0	FLEXIBLE	7,1	80,0	100	19,5	16
2x1,5	FLEXIBLE	8,1	106,0	100	13,3	20
2x2,5	FLEXIBLE	9,8	159,3	100	7,98	27
2x4,0	FLEXIBLE	11,1	214,0	100	4,95	34
3x0,75	FLEXIBLE	6,6	68,1	100	26,0	13
3x1,0	FLEXIBLE	7,0	79,0	100	19,5	16
3x1,5	FLEXIBLE	8,3	111,1	100	13,3	20
3x2,5	FLEXIBLE	10,1	170,5	100	7,98	27
3x4,0	FLEXIBLE	11,5	234,6	100	4,95	34
4x0,75	FLEXIBLE	7,2	83,0	100	26,0	13
4x1,0	FLEXIBLE	7,8	100,8	100	19,5	16
4x1,5	FLEXIBLE	9,2	141,3	100	13,3	20
4x2,5	FLEXIBLE	11,0	210,3	100	7,98	27
4x4,0	FLEXIBLE	12,6	291,2	100	4,95	34
5x0,75	FLEXIBLE	8,1	103,4	100	26,0	13
5x1,0	FLEXIBLE	8,5	120,7	100	19,5	16
5x1,5	FLEXIBLE	10,3	174,7	100	13,3	20
5x2,5	FLEXIBLE	12,3	259,5	100	7,98	27
5x4,0	FLEXIBLE	14,1	366,1	100	4,95	34

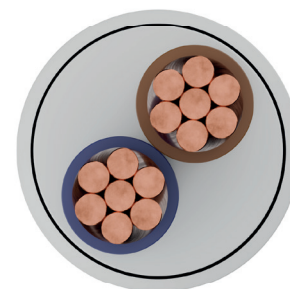
NVV / NYM / PP

Standard: TS HD 21.4 S2 / HD 21.4 S2 / VDE 0250/204

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Installation Cables

Rated Voltage: U_0/U ; 300/500 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	DIN VDE 0295
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	DIN VDE 0207/4
Rated Voltage	300 / 500 V	Color of Insulation	
Max. Permissible Tensile	-	2x - Brown, Blue	
Rated current carrying capacity	-	3x - Brown, Blue, Yellow/Green	
		4x - Brown, Black, Blue, Yellow/Green	
		5x - Brown, Black, Grey, Blue, Yellow/Green	
		Filler	PVC
		Sheath	PVC
		Color of Sheath	White or Black

Application

Cable for industrial and home installations. NYM is a cable that consists of more than one copper core and is with PVC insulation. It is safe in dry place for indoors or outdoors and is not recommended to plant underground. Nominal voltage 300/500 V.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES		
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	A
2x1,5	RE	8,7	121	100	12,1	18
2x2,5	RE	9,9	164	100	7,41	26
2x4	RE	10,8	212	100	4,61	34
2x6	RE	11,8	271	100	3,08	44
2x10	RM	15,9	470	1000	1,83	61
2x16	RM	17,9	648	1000	1,15	82
2x25	RM	21,5	974	1000	0,727	108
2x35	RM	24,1	1278	1000	0,524	135
3x1,5	RE	9,2	139	100	12,1	18
3x2,5	RE	10,4	191	100	7,41	26
3x4	RE	11,5	252	100	4,61	34
3x6	RE	12,9	340	100	3,08	44
3x10	RM	16,8	560	1000	1,83	61
3x16	RM	19,4	810	1000	1,15	82
3x25	RM	23,3	1200	1000	0,727	108
3x35	RM	25,7	1580	1000	0,524	135
4x1,5	RE	9,9	167	100	12,1	18
4x2,5	RE	11,3	230	100	7,41	26
4x4	RE	12,9	320	100	4,61	34
4x6	RE	14,5	435	100	3,08	44
4x10	RM	18,4	700	1000	1,83	61
4x16	RM	21,2	1000	1000	1,15	82
4x25	RM	25,9	1550	1000	0,727	108
4x35	RM	28,1	1990	1000	0,524	135
5x1,5	RE	10,7	195	100	12,1	14
5x2,5	RE	12,3	270	100	7,41	20
5x4	RE	14,3	400	100	4,61	26
5x6	RE	15,7	520	100	3,08	33
5x10	RM	20,4	870	1000	1,83	46
5x16	RM	24,0	1270	1000	1,15	62
5x25	RM	28,3	1880	1000	0,727	81
5x35	RM	31,2	2450	1000	0,524	101

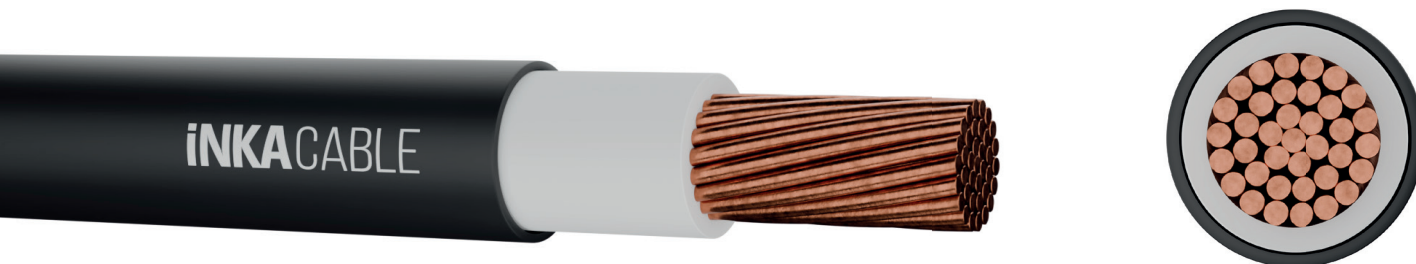
H1Z2Z2-K / PV1 - F

Standard: EN 50618, TS EN 50618

Single Core / Copper Flexible Conductor / LSFR0H Insulated / LSFR0H Sheath

Solar Cable

Nominal Voltage - DC: 1.8 kV, AC: 0,6/1 kV



Technical Data		Cable Structure	
Operating temperature	-40 C° to +120 C°	Conductor	Class 5 - EN 60228, IEC 60228, DIN VDE 0295
Short circuit temperature	250 C° (max 5s)		
Min. Transport and Laying Temperature	-25 C°	Insulation	LSFR0H - EN 50618, TS EN 50618
Min. bending radius D<12 at (20 ± 10) °C, (D-Cable Diameter)	3 x D Cable	Sheath	LSFR0H - EN 50618, TS EN 50618
Min. bending radius D>12 at (20 ± 10) °C, (D-Cable Diameter)	4 x D Cable		

Application

It is specially designed for connections between various elements of systems such as solar panel arrays and inverters in photovoltaic applications. It is used unprotected, in pipes or similar closed systems, in internal or external fixed installations.

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES		
Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Current Flow In The Air (60 °C)	Conductor DC Resistance at 20 °C	Short Circuit Current Resistance
mm ²	mm	kg/km	A	ohm/km	kA
1,5	4,6	29,8	30	13,7	0,19
2,5	5,1	40,7	41	8,21	0,32
4	5,6	56,4	55	5,09	0,50
6	6,2	76,8	70	3,39	0,76
10	7,6	121,0	98	1,95	1,26
16	9,1	179,5	132	1,24	2,02
25	11,1	275,8	176	0,795	3,15
35	12,7	378,1	218	0,565	4,41
50	14,8	531,3	276	0,393	6,30
70	16,9	728,1	347	0,277	8,82
95	19,1	942,2	416	0,21	11,97
120	21,1	1197,7	488	0,164	15,12
150	23,6	1508,4	566	0,132	18,90
185	26,4	1797,0	644	0,108	23,31
240	29,5	2377,6	775	0,0817	30,24



ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	TS HD 626 S1
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	TS HD 626 S1
Rated current carrying capacity	One system	Color of Insulation	Black, XLPE TS HD 626 S1

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

Number of wires x Nominal Cross Section	INSULATED CONDUCTORS (AL)							INSULATED CONDUCTORS (ALLOY)			CABLE	
	Number of wires and cross section	Number of Wires	Average Dimater of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Current carrying capacity	Number of wires and cross section	Current carrying capacity	Average Diameter of Supporting Wire	Minimum Brekaing Strength	Conductor DC Resistance at 20 °C	Average Dimater of Bending (Approx.)	Weight of Cable (Approx.)
No x mm ²	mm ²	Pieces	mm	ohm/km	A	mm ²	A	mm	kN	ohm/km	mm	kg/km
1x16 + 1x16 + 25	1x16	1	4,4	1,910	70	1x16	60	5,9	7,4	1,38	15	220
1x25 + 1x16 + 35	1x25	7	5,9	1,910	80	1x16	60	6,9	10	0,986	19	250
1x35 + 1x16 + 50	1x35	7	6,9	0,868	95	1x16	60	8,1	14	0,72	22	320
3x16 + 1x16 + 25	3x16	1	4,4	1,910	60	1x16	60	5,9	7	1,38	22	350
3x25 + 1x16 + 35	3x25	7	5,9	1,200	80	1x16	60	6,9	10,3	0,986	26	480
3x35 + 1x16 + 50	3x35	7	6,9	0,868	95	1x16	60	8,1	14,2	0,72	30	630
3x50 + 1x16 + 70	3x50	7	8,1	0,641	120	1x16	60	9,7	20,6	0,493	33	800
3x70 + 1x16 + 95	3x70	7	9,7	0,443	150	1x16	60	11,4	27,9	0,363	38	1100
4x16 + 1x16 + 25	4x16	1	4,4	1,910	60	1x16	60	5,9	7,4	1,38	25	415
4x25 + 1x16 + 35	4x25	7	5,9	1,200	80	1x16	60	6,9	10,3	0,986	30	615
4x35 + 1x16 + 50	4x35	7	6,9	0,868	95	1x16	60	8,1	14,2	0,72	34	800
4x50 + 1x16 + 70	4x50	7	8,1	0,641	120	1x16	60	9,7	20,6	0,493	40	1050
4x70 + 1x16 + 95	4x70	7	9,7	0,443	150	1x16	60	11,4	27,9	0,363	47	1410

ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	TS HD 626 S1
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	TS HD 626 S1
Rated current carrying capacity	One system	Color of Insulation	Black, XLPE TS HD 626 S1

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

Number of wires x Nominal Cross Section	INSULATED CONDUCTORS (AL)					INSULATED CONDUCTORS (ALLOY)			CABLE	
	Number of wires and cross section	Number of Wires	Average Diameter of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Current carrying capacity	Average Diameter of Supporting Wire	Minimum Brekaing Strength	Conductor DC Resistance at 20 °C	Average Dimater of Bending (Approx.)	Weight of Cable (Approx.)
No x mm ²	mm ²	Pieces	mm	ohm/km	A	mm	kN	ohm/km	mm	kg/km
1x16 + 25	1x16	1	4,4	1,91	75	5,9	7,4	1,38	15	135
1x25 + 35	1x25	7	5,9	1,20	100	6,9	10,3	0,986	17	210
1x35 + 50	1x35	7	6,9	0,868	125	8,1	14,2	0,72	20	265
3x16 + 25	3x16	1	4,4	1,91	70	5,9	7,4	1,38	22	270
3x25 + 35	3x25	7	5,9	1,20	90	6,9	10,3	0,986	26	410
3x35 + 50	3x35	7	6,9	0,868	115	8,1	14,2	0,72	30	565
3x50 + 70	3x50	7	8,1	0,641	140	9,7	20,6	0,493	35	750
3x70 + 95	3x70	7	9,7	0,443	180	11,4	27,9	0,363	41	1050
3x120 + 95	3x120	19	13,0	0,253	250	11,4	27,9	0,363	47	1560
4x16 + 25	4x16	1	4,4	1,91	70	5,9	7,4	1,38	24	380
4x25 + 35	4x25	7	5,9	1,20	90	6,9	10,3	0,986	28	495
4x35 + 50	4x35	7	6,9	0,868	115	8,1	14,2	0,72	32	680
4x50 + 70	4x50	7	8,1	0,641	140	9,7	20,6	0,493	38	910
4x70 + 95	4x70	7	9,7	0,443	180	11,4	27,9	0,363	45	1340

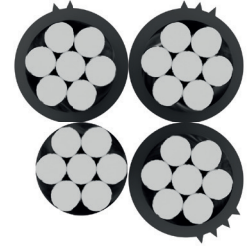
ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	TS HD 626 S1
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	TS HD 626 S1
Rated current carrying capacity	One system	Color of Insulation	Black, XLPE TS HD 626 S1

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

Number of wires x Nominal Cross Section	INSULATED CONDUCTORS (AL)							INSULATED CONDUCTORS (ALLOY)			CABLE		
	Number of wires and cross section	Number of Wires	Average Dimater of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Current carrying capacity	Number of wires and cross section	Average Dimater of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Average Diameter of Supporting Wire	Minimum Brekaing Strength	Conductor DC Resistance at 20 °C	Average Dimater of Bending (Approx.)	Weight of Cable (Approx.)
No x mm ²	mm ²	Pieces	mm	ohm/km	A	mm ²	mm	ohm/km	mm	kN	ohm/km	mm	kg/km
2x16	2x16	1	4,4	1,91	80	-	-	-	-	-	-	14	130
2x25	2x25	7	5,9	1,20	100	-	-	-	-	-	-	17	185
4x16	4x16	1	4,4	1,91	70	-	-	-	-	-	-	17	270
4x25	4x25	7	5,9	1,20	90	-	-	-	-	-	-	21	390
4x35	4x35	7	6,9	0,868	115	-	-	-	-	-	-	25	550
4x50	4x50	7	8,1	0,641	140	-	-	-	-	-	-	29	720
3x25 + 25	3x25	7	5,9	1,20	90	1x25	5,9	1,20	-	-	-	24	410
3x25 + 54,6	3x25	7	5,9	1,20	90	-	-	-	9,5	16,1	0,630	31	520
3x35 + 54,6	3x35	7	6,9	0,868	115	-	-	-	9,5	16,1	0,630	33	640
3x50 + 54,6	3x50	7	8,1	0,64	140	-	-	-	9,5	16,1	0,630	36	780
3x95 + 54,6	3x95	7	11,4	0,320	210	-	-	-	9,5	16,1	0,630	41	1230
4x50 + 2x25	4x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	36	930
4x95 + 2x25	4x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1550
3x35 + 2x25 + 54,6	3x35	7	6,9	0,868	115	2x25	5,9	1,20	9,5	16,1	0,630	36	850
3x50 + 2x25 + 54,6	3x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	37	970
3x70 + 2x25 + 54,6	3x70	7	9,7	0,443	180	2x25	5,9	1,20	9,5	16,1	0,630	39	1190
3x95 + 2x25 + 54,6	3x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1450

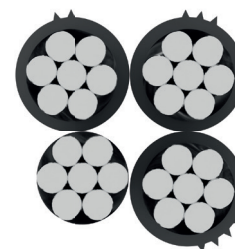
ABC & NFA2X & X00-A & X00/O-A & AER

Standard: TS HD 626 S1 & HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	TS HD 626 S1
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	TS HD 626 S1
Rated current carrying capacity	One system	Color of Insulation	Black, XLPE TS HD 626 S1

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

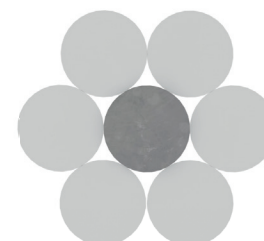
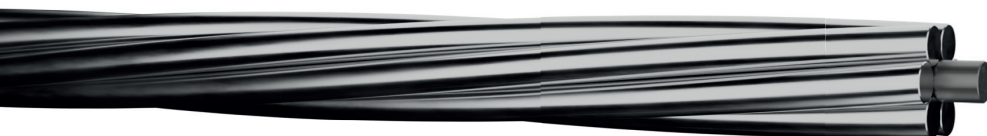
Number of wires x Nominal Cross Section	INSULATED CONDUCTORS (AL)								INSULATED CONDUCTORS (ALLOY)			CABLE	
	Number of wires and cross section	Number of Wires	Average Diameter of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Current carrying capacity	Number of wires and cross section	Average Diameter of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Average Diameter of Supporting Wire	Minimum Brekaing Strength	Conductor DC Resistance at 20 °C	Average Dimater of Bending (Approx.)	Weight of Cable (Approx.)
No x mm ²	mm ²	Pieces	mm	ohm/km	A	mm ²	mm	ohm/km	mm	kN	ohm/km	mm	kg/km
2x16	2x16	1	4,4	1,91	80	-	-	-	-	-	-	14	130
2x25	2x25	7	5,9	1,20	100	-	-	-	-	-	-	17	185
4x16	4x16	1	4,4	1,91	70	-	-	-	-	-	-	17	270
4x25	4x25	7	5,9	1,20	90	-	-	-	-	-	-	21	390
4x35	4x35	7	6,9	0,868	115	-	-	-	-	-	-	25	550
4x50	4x50	7	8,1	0,641	140	-	-	-	-	-	-	29	720
3x25 + 25	3x25	7	5,9	1,20	90	1x25	5,9	1,20	-	-	-	24	410
3x25 + 54,6	3x25	7	5,9	1,20	90	-	-	-	9,5	16,1	0,630	31	520
3x35 + 54,6	3x35	7	6,9	0,868	115	-	-	-	9,5	16,1	0,630	33	640
3x50 + 54,6	3x50	7	8,1	0,64	140	-	-	-	9,5	16,1	0,630	36	780
3x95 + 54,6	3x95	7	11,4	0,320	210	-	-	-	9,5	16,1	0,630	41	1230
4x50 + 2x25	4x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	36	930
4x95 + 2x25	4x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1550
3x35 + 2x25 + 54,6	3x35	7	6,9	0,868	115	2x25	5,9	1,20	9,5	16,1	0,630	36	850
3x50 + 2x25 + 54,6	3x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	37	970
3x70 + 2x25 + 54,6	3x70	7	9,7	0,443	180	2x25	5,9	1,20	9,5	16,1	0,630	39	1190
3x95 + 2x25 + 54,6	3x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1450



ACSR

Standard: EN 50182 / TS EN 50182

Steel Wires and Aluminium Wires / Circular Non Compacted Aluminium Conductor
Aluminium Conductors Steel Reinforced



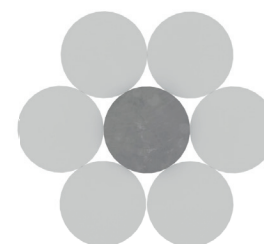
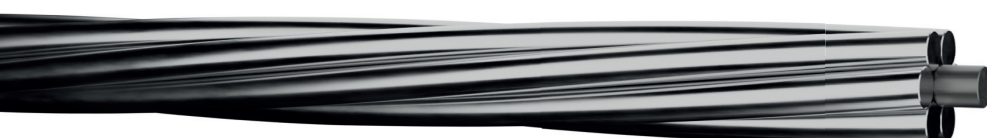
Conductor Structure
1-Non Compacted Steel Wires
2-Non Compacted Aluminium Wires

TECHNICAL SPECIFICATIONS																
Conductor Code		Cross-sectional Area			No of Wires		Wire Diameter		Diameter		Unit	Pulling	D.C Resistance	Elasticity	Linear Expansion	Current Carrying
		Al	Steel	Total	Al	Steel	Al	Steel	Core	Conductor	Weight	Forces	at 20° C	Module	Coefficient	Capacity
		(mm ²)	(mm ²)	(mm ²)			(mm)	(mm)	(mm)	(mm)	(kg/km)	(kN)	(Ohm/km)	(N/mm ²)	(1/K)	(A)
25/4	24-AL1/4-ST1A	23,9	4,0	27,8	6	1	2,30	2,30	2,3	6,8	96	8,95	1,201	81000	1,92 x 10 ⁻⁵	140
35/6	34-AL1/6-ST1A	34,3	5,7	40,1	6	1	2,70	2,70	2,7	8,1	138	12,37	0,834	81000	1,92 x 10 ⁻⁵	180
50/8	48-AL1/8-ST1A	48,3	8,0	56,3	6	1	3,20	3,20	3,2	9,6	195	16,81	0,593	81000	1,92 x 10 ⁻⁵	210
70/12	70-AL1/12-ST1A	69,9	11,4	81,3	26	7	1,85	1,44	4,3	11,7	286	26,27	0,413	77000	1,89 x 10 ⁻⁵	290
95/15	94-AL1/15-ST1A	94,4	15,3	109,7	26	7	2,15	1,67	5,0	13,6	380	34,93	0,306	77000	1,89 x 10 ⁻⁵	350

ACSR

Standard: EN 50182 / TS EN 50182

Steel Wires and Aluminium Wires / Circular Non Compacted Aluminium Conductor
Aluminium Conductors Steel Reinforced



Conductor Structure
1-Non Compacted Steel Wires
2-Non Compacted Aluminium Wires

TECHNICAL SPECIFICATIONS																
Conductor Code		Cross-sectional Area			No of Wires		Wire Diameter		Diameter		Unit	Pulling	D.C Resistance	Elasticity	Linear Expansion	Current Carrying
		Al	Steel	Total	Al	Steel	Al	Steel	Core	Conductor	Weight	Forces	at 20° C	Module	Coefficient	Capacity
		(mm ²)	(mm ²)	(mm ²)			(mm)	(mm)	(mm)	(mm)	(kg/km)	(kN)	(Ohm/km)	(N/mm ²)	(1/K)	(A)
35/6	34-AL1/6-ST1A	34,3	5,7	40,0	6	1	2,7	2,7	2,7	8,1	138	12,37	0,8342	81000	1,92 x 10 ⁻⁵	180

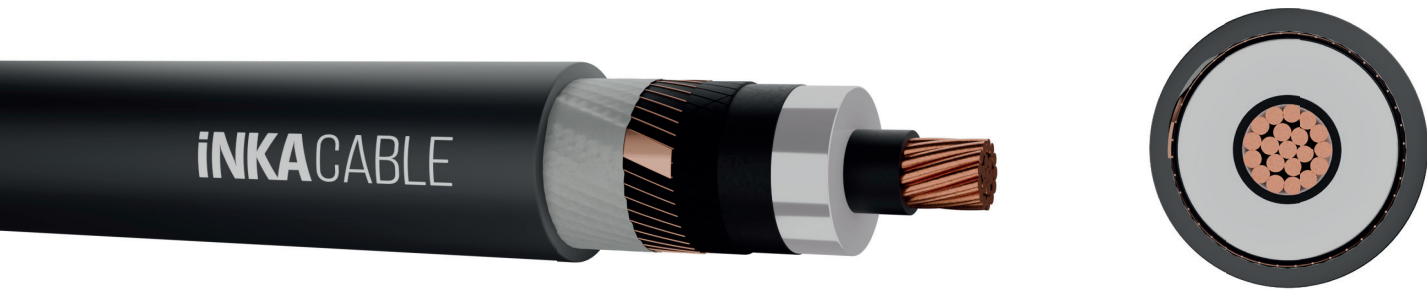
N2XS(F)2Y & CU / XLPE / SCWBT / CWS / WBT / PE

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Copper Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Copper (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC 20 °C	Capacitance	Rated current carrying capacity (A)	
						Under Ground 20 °C	In Air 30 °C
No x mm ²	mm	kg/km	m	ohm/km	µF/km		
1x25/16	24,0	650	1000	0,73	0,19	180	190
1x35/16	25,0	750	1000	0,524	0,21	210	230
1x50/16	26,0	880	1000	0,387	0,23	250	280
1x70/16	28,0	1095	1000	0,268	0,26	300	345
1x95/16	29,0	1350	1000	0,193	0,30	360	420
1x120/16	31,0	1605	1000	0,153	0,32	405	480
1x150/25	32,0	1945	1000	0,124	0,35	440	535
1x185/25	34,0	2305	1000	0,0991	0,38	490	610
1x240/25	35,0	2865	1000	0,0754	0,43	565	715
1x300/25	39,0	3460	1000	0,0601	0,47	625	810
1x400/35	42,0	4380	500	0,0470	0,52	675	900

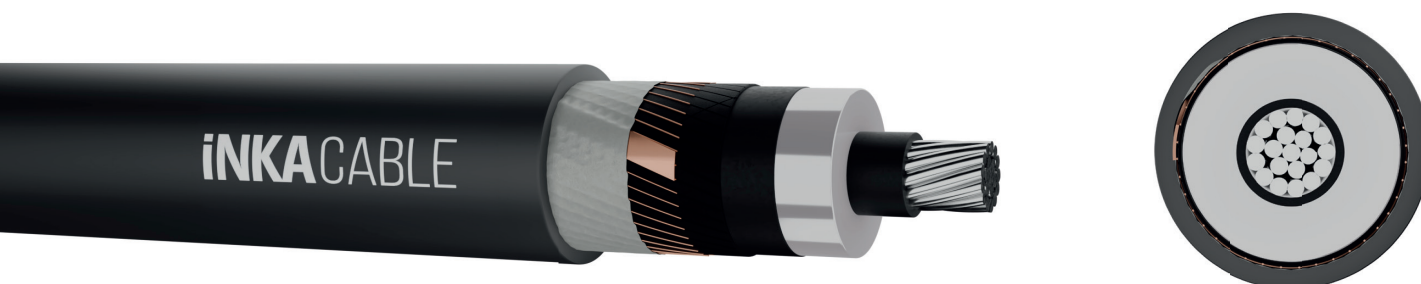
NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 12 / 20 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Copper (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	28,0	630	1000	1,20	0,14	-	-
1x35/16	29,0	680	1000	0,868	0,15	-	-
1x50/16	30,0	745	1000	0,641	0,16	195	215
1x70/16	32,0	850	1000	0,443	0,18	235	270
1x95/16	34,0	965	1000	0,320	0,200	280	330
1x120/16	35,0	1075	1000	0,253	0,22	320	375
1x150/25	37,0	1275	1000	0,206	0,24	355	425
1x185/25	39,0	1425	1000	0,164	0,26	395	485
1x240/25	41,0	1650	1000	0,125	0,29	455	575
1x300/25	43,0	1875	1000	0,100	0,310	510	650
1x400/35	47,0	2300	1000	0,0778	0,35	565	740

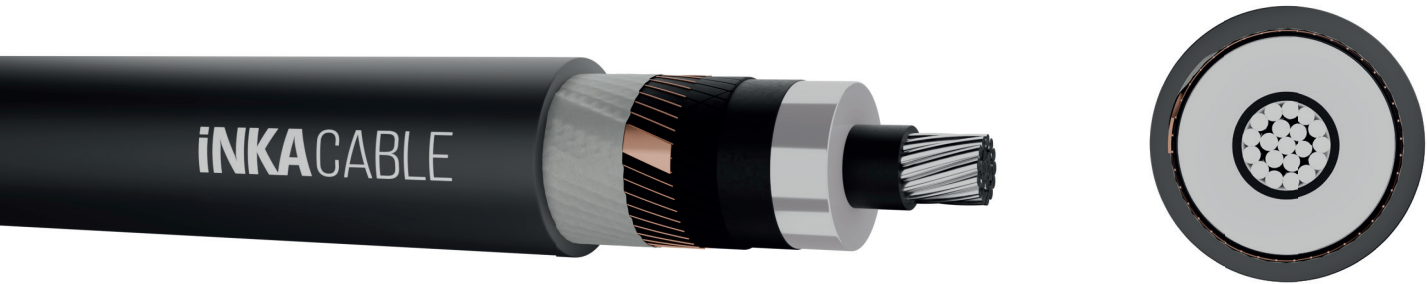
NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE

Standard: TSE K 204 \ TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / MDPE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 20,3 / 35 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) [Bonded]
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-MDPE Outer Sheath (ST 7 IEC 60502-2 & TSE K 204)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	36,0	935	1000	1,20	0,10	-	-
1x35/16	37,0	1000	1000	0,868	0,11	-	-
1x50/16	38,0	1080	1000	0,641	0,12	195	220
1x70/16	40,0	1200	1000	0,443	0,13	235	270
1x95/16	42,0	1340	1000	0,320	0,14	285	330
1x120/16	43,0	1465	1000	0,253	0,16	320	380
1x150/25	45,0	1675	1000	0,206	0,17	355	425
1x185/25	47,0	1850	1000	0,164	0,18	400	485
1x240/25	49,0	2100	1000	0,125	0,2	460	570
1x300/25	51,0	2355	1000	0,100	0,21	515	650
1x400/35	55,0	2810	1000	0,0778	0,23	570	735

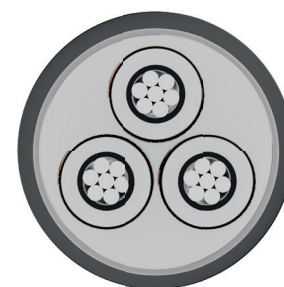
NA2XSE(F)2Y & AL / XLPE / SCWBT / CWS / FILLER / WBT / MDPE

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / Filler / Waterblocking Tape / MDPE Sheath

Medium Voltage Energy Cable

Rated Voltage: U_0/U ; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Filler
		8-Non-conductive swellable Tape
		9-MDPE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
3x25/16	43,0	2000	1000	1000	0,17	-	-
3x35/16	45,0	2300	1000	1000	0,19	-	-
3x50/16	48,0	2600	1000	1000	0,21	160	160
3x70/16	52,0	3100	1000	1000	0,23	200	200
3x95/16	56,0	3650	1000	1000	0,26	240	240
3x120/16	59,0	4150	1000	1000	0,28	270	280
3x150/25	63,0	4650	500	500	0,31	300	320
3x185/25	67,0	5300	500	500	0,33	345	365
3x240/25	72,0	6400	500	500	0,37	400	430
3x300/25	77,0	7400	500	500	0,40	450	490
3x400/35	84,0	8900	500	500	0,45	515	565

NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE & XHE 49-A

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	24,0	500	1000	1,20	0,19	-	-
1x35/16	25,0	545	1000	0,868	0,21	-	-
1x50/16	26,0	600	1000	0,641	0,23	195	215
1x70/16	28,0	690	1000	0,443	0,26	235	270
1x95/16	30,0	790	1000	0,320	0,30	280	325
1x120/16	31,0	890	1000	0,253	0,32	315	375
1x150/25	33,0	1080	1000	0,206	0,35	350	425
1x185/25	34,0	1210	1000	0,164	0,38	390	485
1x240/25	37,0	1425	1000	0,125	0,43	450	570
1x300/25	39,0	1635	1000	0,100	0,47	505	650
1x400/35	42,0	2035	1000	0,0778	0,52	560	740

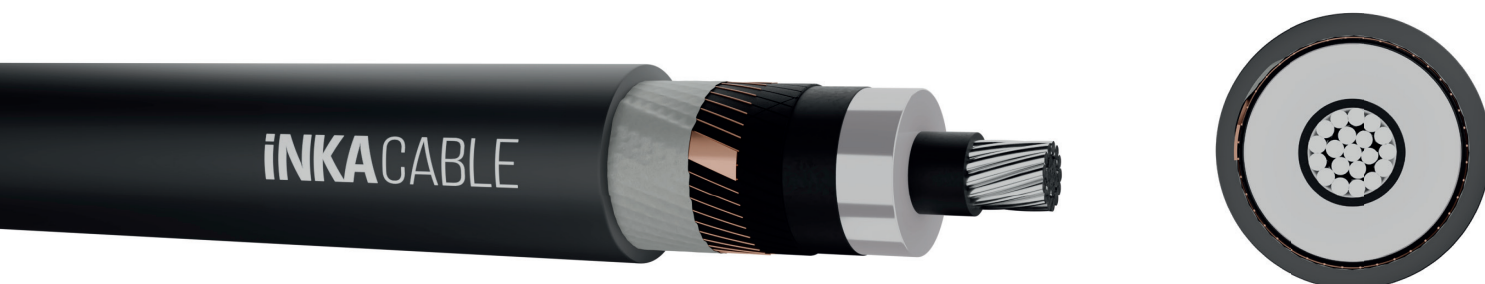
NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE & XHE 49-A

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 12 / 20 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	28,0	630	1000	1,20	0,14	-	-
1x35/16	29,0	680	1000	0,868	0,15	-	-
1x50/16	30,0	745	1000	0,641	0,16	195	215
1x70/16	32,0	850	1000	0,443	0,18	235	270
1x95/16	34,0	965	1000	0,320	0,200	280	330
1x120/16	35,0	1075	1000	0,253	0,22	320	375
1x150/25	37,0	1275	1000	0,206	0,24	355	425
1x185/25	39,0	1425	1000	0,164	0,26	395	485
1x240/25	41,0	1650	1000	0,125	0,29	455	575
1x300/25	43,0	1875	1000	0,100	0,310	510	650
1x400/35	47,0	2300	1000	0,0778	0,35	565	740

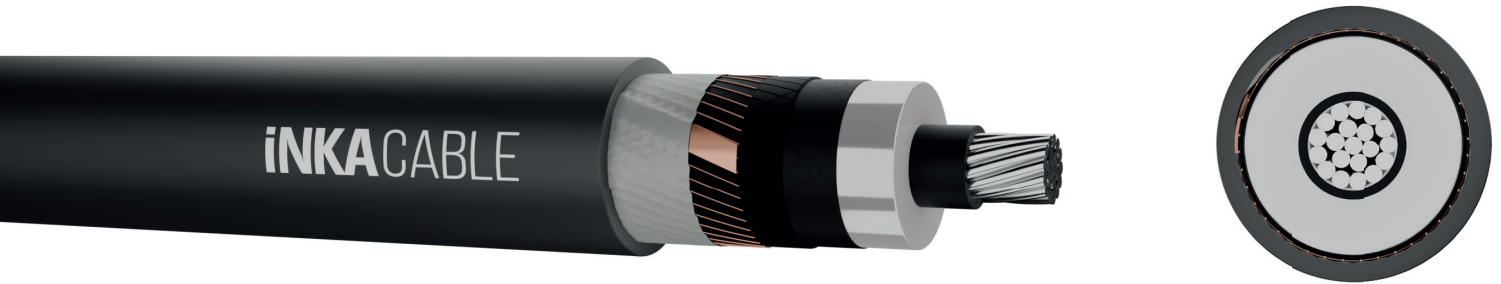
NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE & XHE 49-A

Standard: TSE K 204 \ TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / MDPE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 20,3 / 35 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) [Bonded]
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Non-conductive swellable Tape
		8-MDPE Outer Sheath (ST 7 IEC 60502-2 & TSE K 204)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	36,0	935	1000	1,20	0,10	-	-
1x35/16	37,0	1000	1000	0,868	0,11	-	-
1x50/16	38,0	1080	1000	0,641	0,12	195	220
1x70/16	40,0	1200	1000	0,443	0,13	235	270
1x95/16	42,0	1340	1000	0,320	0,14	285	330
1x120/16	43,0	1465	1000	0,253	0,16	320	380
1x150/25	45,0	1675	1000	0,206	0,17	355	425
1x185/25	47,0	1850	1000	0,164	0,18	400	485
1x240/25	49,0	2100	1000	0,125	0,2	460	570
1x300/25	51,0	2355	1000	0,100	0,21	515	650
1x400/35	55,0	2810	1000	0,0778	0,23	570	735

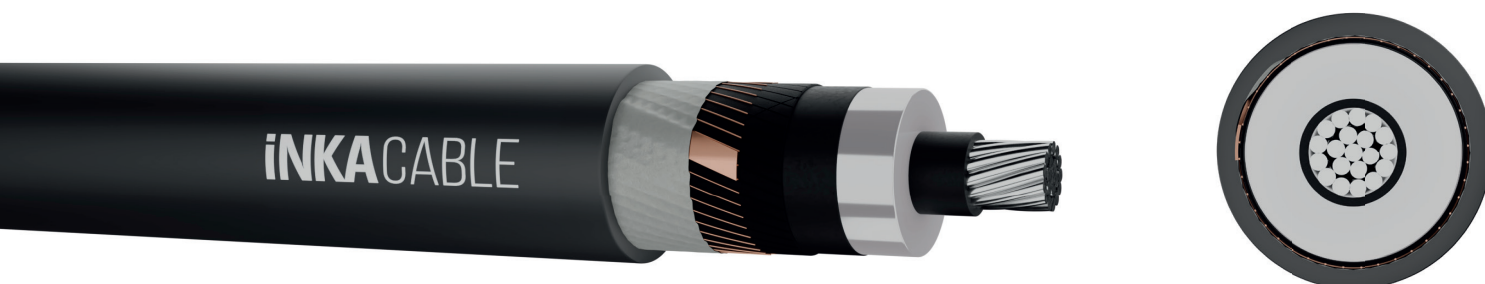
NA2XSE(F)2Y & AL / XLPE / SCWBT / CWS / FILLER / WBT / MDPE & XHE 49-A

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / Filler / Waterblocking Tape / MDPE Sheath

Medium Voltage Energy Cable

Rated Voltage: U_0/U ; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Filler
		8-Non-conductive swellable Tape
		9-MDPE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
3x25/16	43,0	2000	1000	1,20	0,17	-	-
3x35/16	45,0	2300	1000	0,868	0,19	-	-
3x50/16	48,0	2600	1000	0,641	0,21	160	160
3x70/16	52,0	3100	1000	0,443	0,23	200	200
3x95/16	56,0	3650	1000	0,320	0,26	240	240
3x120/16	59,0	4150	1000	0,253	0,28	270	280
3x150/25	63,0	4650	500	0,206	0,31	300	320
3x185/25	67,0	5300	500	0,164	0,33	345	365
3x240/25	72,0	6400	500	0,125	0,37	400	430
3x300/25	77,0	7400	500	0,100	0,40	450	490
3x400/35	84,0	8900	500	0,0778	0,45	515	565

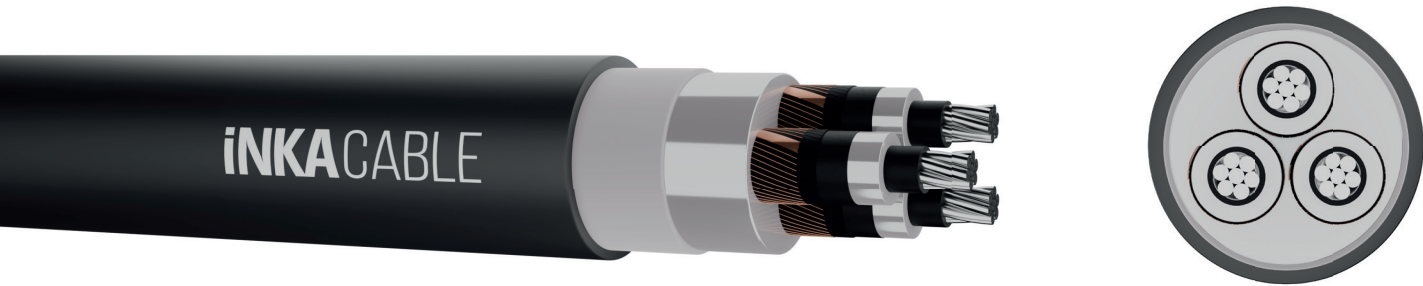
NA2XSE(F)2Y & AL / XLPE / SCWBT / CWS / FILLER / WBT / MDPE & XHE 49-A

Standard: TS IEC 60502-2 / IEC 60502 - 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / Filler / Waterblocking Tape / MDPE Sheath

Medium Voltage Energy Cable

Rated Voltage: U₀/U; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90°C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250°C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) [Bonded]
Application These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts. In case the cable gets water; barriers (swelling tape) act as a retainer, preventing the water from progressing.		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Filler
		8-Non-conductive swellable Tape
		9-MDPE Outer Sheath (ST 7 IEC 60502-2)

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
3x25/16	43,0	2000	1000	1,20	0,17	-	-
3x35/16	45,0	2300	1000	0,868	0,19	-	-
3x50/16	48,0	2600	1000	0,641	0,21	160	160
3x70/16	52,0	3100	1000	0,443	0,23	200	200
3x95/16	56,0	3650	1000	0,320	0,26	240	240
3x120/16	59,0	4150	1000	0,253	0,28	270	280
3x150/25	63,0	4650	500	0,206	0,31	300	320
3x185/25	67,0	5300	500	0,164	0,33	345	365
3x240/25	72,0	6400	500	0,125	0,37	400	430
3x300/25	77,0	7400	500	0,100	0,40	450	490
3x400/35	84,0	8900	500	0,0778	0,45	515	565

NA2XS(F)2Y & AL / XLPE / SCWBT / CWS / WBT / PE AND SUPPORTING ELEMENT & XHE 49/0-A

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / PE Sheath and Supporting Element

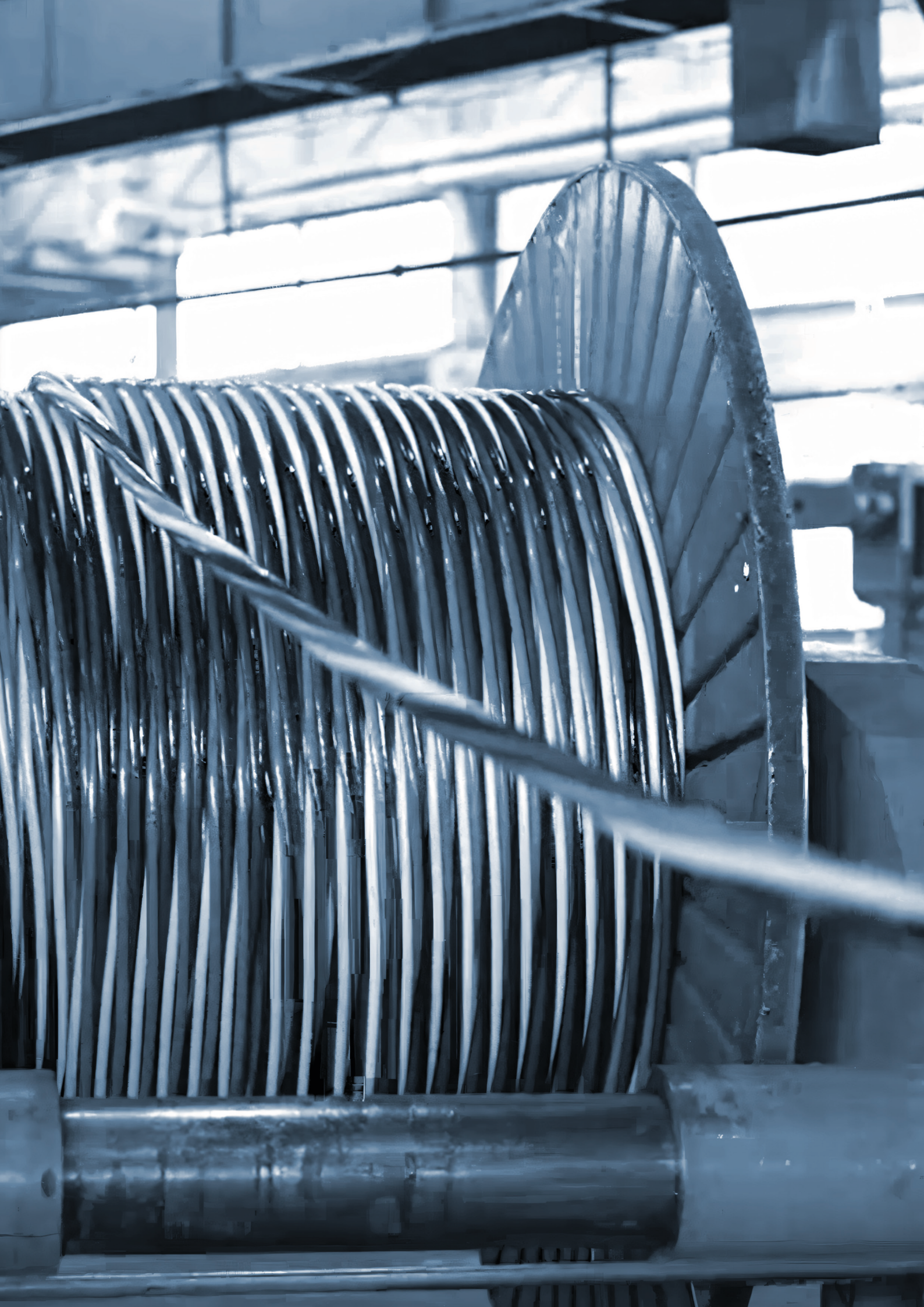
Medium Voltage Energy Cable

Rated Voltage: U_o/U; 6 / 10 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-circular compacted Aluminium (Class 2 IEC 60228)
Max. Short Circuit Temperature	250 °C / 5 sec.	2-Extruded, semi-conductive conductor screen (Inner semi-conductive Layer)
Bending Radius, min.	15 x D cable	3-XLPE Insulation
Max. Permissible Tensile	30 N/mm ²	4-Extruded, semi-conductive insulation screen (Outer semi-conductive layer) (Bonded)
Application For middle voltage power distribution in distribution networks. May be put on the overhead lines in old and residential areas. Provides a shortcut to electrification without affecting the townscape and its environs. This cables can be strung safely on the same poles with low-voltage and telecommunication cables.		5-Semi conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
		7-Waterblocking Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)
		9-Supporting Element

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)	
No x mm ²	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
3x(1x50RM/16)+50	54,0	2140	1000	0,641	0,23	170	180
3x(1x70RM/16)+50	60,0	2415	1000	0,443	0,26	210	225
3x(1x95RM/16)+50	62,0	2900	1000	0,320	0,30	250	275
3x(1x120RM/16)+50	65,0	3200	1000	0,253	0,32	280	315
3x(1x150RM/16)+50	68,0	6525	500	0,206	0,35	315	360
3x(1x185RM/16)+50	73,0	3980	500	0,164	0,38	355	410
3x(1x240RM/16)+50	76,0	4615	500	0,125	0,43	415	490
3x(1x300RM/16)+50	82,0	5300	500	0,100	0,47	470	555
3x(1x400RM/16)+50	89,0	6250	500	0,0778	0,52	530	650



YVCV-U, YVCV-R & NYCY & CU / PVC / SC / PVC

Standard: TS IEC 60502-1 / IEC 60502 - 1 / VDE 0271 / VDE 0276 / BS 6346

Copper Conductor / PVC insulated / Filler / Copper Wires and Copper Tape Screen / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 1 and Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D Cable	Color of Insulation	Brown, Black, Grey, Blue, Yellow/Green
Max. Permissible Tensile	50 N / mm ²		Black Numbered Isolated
Rated current carrying capacity	One system	Filler	IEC 60502-1
		Screen	Copper Wires and Copper Tape
		Sheath	PVC
		Color of Sheath	White or Black

Application

These cables, used in substations, industrial facilities, and urban networks, are equipped with a concentric conductor that ensures safety during any mechanical impact by triggering the protective circuit breaker or fuse switch connected to the network. This mechanism prevents the energy within the cable from causing harm to the surrounding environment. The power cables with insulation of PVC are designed for

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
2x2.5/2.5	RE	13	250	1000	7,41	42	27
4x2.5/2.5	RE	15	330	1000	7,41	34	25
8x2.5/2.5	RE	19	550	1000	7,41	20	16
16x2.5/4	RE	23	850	1000	7,41	14	12
24x2.5/4	RE	28	1300	1000	7,41	11	10
4x4/4	RE	17	470	1000	4,61	44	34
4x16/16	RM	24	1220	1000	1,15	98	80
2x25/16	RM	24	1100	1000	0,727	150	120
4x25/16	RM	28	1650	1000	0,727	130	105
4x35/16	RM	30	2050	1000	0,524	155	130
4x120/70	RM	49	6800	500	0,153	310	280

(N)2XH-0

Standard: IEC 60502-1

One Core / Copper Conductor / XLPE insulated / HFFR Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	IEC 60502-1 HFFR
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x4	RE	6,4	65	1000	4,61	66	56
1x6	RE	6,9	93	1000	3,08	82	71
1x10	RM	8,1	120	1000	1,83	109	96
1x16	RM	9,1	190	1000	1,15	139	128
1x25	RM	10,7	290	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	505	1000	0,387	251	258
1x70	RM	14,8	760	1000	0,268	307	328
1x95	RM	16,7	955	1000	0,193	366	404
1x120	RM	18,3	1195	1000	0,153	416	471
1x150	RM	20,3	1510	1000	0,124	465	541
1x185	RM	22,3	1840	1000	0,0991	526	626
1x240	RM	25	2340	1000	0,0754	610	749
1x300	RM	27,7	3010	1000	0,0601	689	864
1x400	RM	30,9	3920	1000	0,0470	788	1018
1x500	RM	34,8	4950	1000	0,0366	889	1173

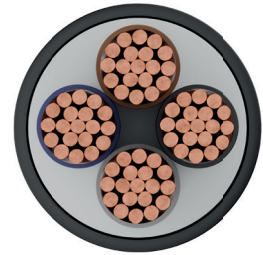
(N)2XH-0

Standard: IEC 60502-1

Multi Cores / Copper Conductor / XLPE insulated / Filler / HFFR Sheath

Halogen Free Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The N2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1.5	RE	12,3	200	1000	12,1	30	24
4x2.5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	310	1000	4,61	52	42
4x6	RE	15,5	390	1000	3,08	64	53
4x10	RM	18,4	570	1000	1,83	86	73
4x16	RM	20,8	840	1000	1,15	111	96
4x25	RM	24,7	1250	1000	0,727	143	130
4x35	RM	26,9	1650	1000	0,524	173	160
4x50	RM	30,1	2200	1000	0,387	205	195
4x70	RM	35,3	3100	1000	0,268	252	247
4x95	RM	39,6	4150	1000	0,193	303	305
4x120	RM	44,4	5400	500	0,153	346	355
4x150	RM	48,9	7000	500	0,124	390	407
4x185	RM	54,2	8700	500	0,0991	441	469
4x240	RM	61,0	11300	250	0,0754	511	551
4x300	RM	67,4	13900	250	0,0601	580	638
4x400	RM	74,2	18000	250	0,0470	663	746

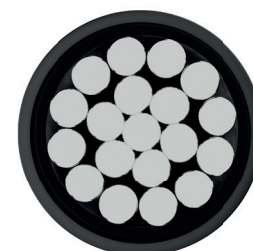
(N)2XH-0

Standard: IEC 60502-1

One Core / Copper Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are with very low dielectric losses and are used as power cables in power centers, switchgear and industrial plants, in local energy distribution, where there is no risk of mechanical damage (externally, indoors), underground or in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x1,5	RE	5,5	45	1000	12,1	39	32
1x2,5	RE	6,0	55	1000	7,41	51	42
1x4	RE	6,4	73	1000	4,61	66	56
1x6	RE	6,9	94	1000	3,08	82	71
1x10	RM	8,1	138	1000	1,83	109	96
1x16	RM	9,1	205	1000	1,15	139	128
1x25	RM	10,7	305	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	525	1000	0,387	251	258
1x70	RM	14,8	755	1000	0,268	307	328
1x95	RM	16,7	995	1000	0,193	366	404
1x120	RM	18,3	1260	1000	0,153	416	471
1x150	RM	20,3	156	1000	0,124	465	541
1x185	RM	22,3	1890	1000	0,0991	526	626
1x240	RM	25	2430	1000	0,0754	610	749
1x300	RM	27,7	2995	1000	0,0601	689	864
1x400	RM	30,90	3980	1000	0,0470	788	1018
1x500	RM	34,8	4990	1000	0,0366	889	1173
1x630	RM	39,1	6050	1000	0,0283	917	1186

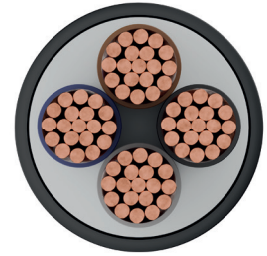
(N)2XH-0

Standard: IEC 60502-1

Multi Core / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: $U_0/U; 0,6 / 1$ kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Blue,Brow,Grey,Black
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1,5	RE	12,3	190	1000	12,1	30	24
4x2,5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	340	1000	4,61	52	42
4x6	RE	15,5	460	1000	3,08	64	53
4x10	RM	18,4	640	1000	1,83	86	73
4x16	RM	20,8	910	1000	1,15	111	96
4x25	RM	24,7	1410	1000	0,727	143	130
4x35	RM	26,9	1900	1000	0,524	173	160
4x50	RM	30,1	2400	1000	0,387	205	195
4x70	RM	35,3	3400	1000	0,268	252	247
4x95	RM	39,6	4600	1000	0,193	303	305
4x120	RM	44,4	6000	500	0,153	346	355
4x150	RM	48,9	7300	500	0,124	390	407
4x185	RM	54,2	8900	500	0,0991	441	469
4x240	RM	61,0	11500	250	0,0754	511	551
4x300	RM	67,4	14200	250	0,0601	580	638
4x400	RM	74,2	18750	250	0,0470	663	746

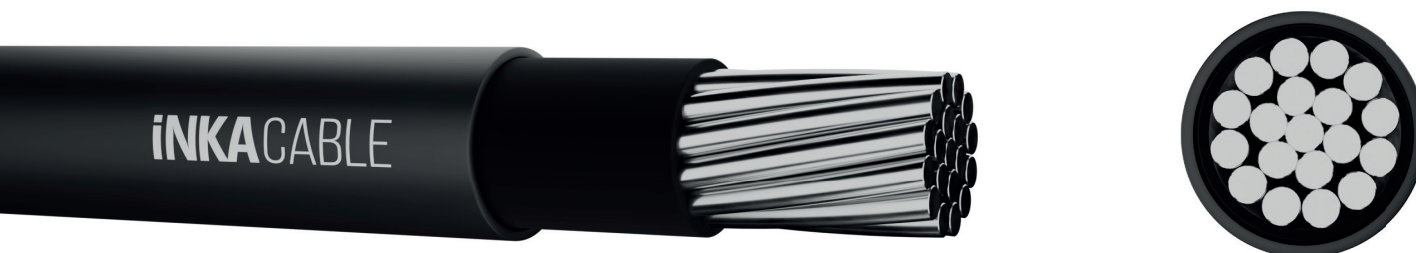
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Standard: IEC 60502-1

One Core / Aluminum Conductor / XLPE insulated / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The NA2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x25	RM	10,7	140	1000	1,200	150	135
1x35	RM	11,6	170	1000	0,868	164	163
1x50	RM	12,9	240	1000	0,641	195	200
1x70	RM	14,8	310	1000	0,443	238	254
1x95	RM	16,7	410	1000	0,320	284	313
1x120	RM	18,3	490	1000	0,253	323	366
1x150	RM	20,3	580	1000	0,206	361	420
1x185	RM	22,3	730	1000	0,164	408	486
1x240	RM	25,0	930	1000	0,125	476	585
1x300	RM	27,7	1140	1000	0,100	537	675
1x400	RM	30,9	1500	1000	0,0778	616	798
1x500	RM	34,8	1750	1000	0,0605	699	926

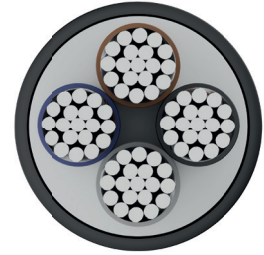
(N)A2XH-0

Standard: IEC 60502-1

Multi Core / Aluminum Conductor / XLPE insulated / Filler / HFFRLS Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	HFFR IEC 60502-1
		Color of Sheath	Black

Application

The NA2XH power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. Usually are used in hotels, schools, high-rise buildings, hospitals, computing centers and business centers where people are concentrated. It is used in fire sensitive areas.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x25	RM	24,7	810	1000	1,20	111	100
4x35	RM	26,9	950	1000	0,868	132	122
4x50	RM	30,1	1250	1000	0,641	157	147
4x70	RM	35,3	1700	1000	0,443	195	189
4x95	RM	39,6	2200	1000	0,320	233	232
4x120	RM	44,4	2800	1000	0,253	266	270
4x150	RM	48,9	3400	1000	0,206	299	308
4x185	RM	54,2	4100	1000	0,164	340	357
4x240	RM	61,0	5350	500	0,125	401	435
4x300	RM	67,4	6500	500	0,100	455	501
4x400	RM	74,2	8600	500	0,0778	526	592

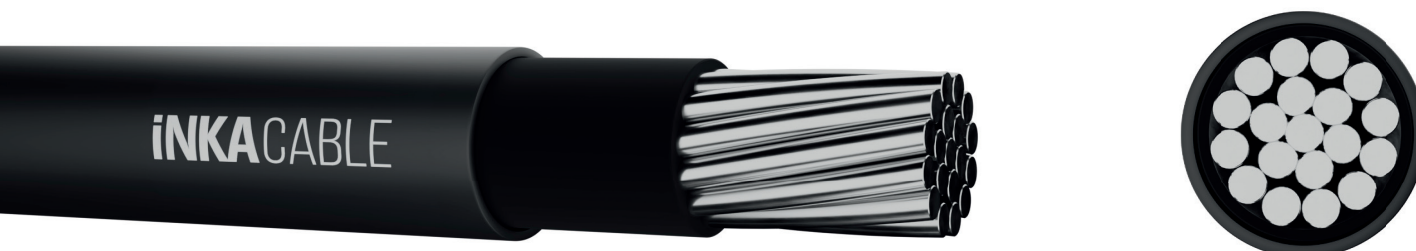
(N)A2XH-0

Standard: IEC 60502-1

One Core / Aluminum Conductor / XLPE insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x25	RM	10,7	140	1000	1,200	150	135
1x35	RM	11,6	170	1000	0,868	164	163
1x50	RM	12,9	240	1000	0,641	195	200
1x70	RM	14,8	310	1000	0,443	238	254
1x95	RM	16,7	410	1000	0,320	284	313
1x120	RM	18,3	490	1000	0,253	323	366
1x150	RM	20,3	580	1000	0,206	361	420
1x185	RM	22,3	730	1000	0,164	408	486
1x240	RM	25,0	930	1000	0,125	476	585
1x300	RM	27,7	1140	1000	0,100	537	675
1x400	RM	30,9	1500	1000	0,0778	616	798
1x500	RM	34,8	1750	1000	0,0605	699	926

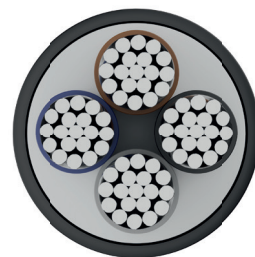
NA2XY-0

Standard: IEC 60502-1

Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown,Black, Grey,Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x25	RM	24,7	810	1000	1,20	111	100
4x35	RM	26,9	950	1000	0,868	132	122
4x50	RM	30,1	1250	1000	0,641	157	147
4x70	RM	35,3	1700	1000	0,443	195	189
4x95	RM	39,6	2200	1000	0,320	233	232
4x120	RM	44,4	2800	1000	0,253	266	270
4x150	RM	48,9	3400	1000	0,206	299	308
4x185	RM	54,2	4100	1000	0,164	340	357
4x240	RM	61,0	5350	500	0,125	401	435
4x300	RM	67,4	6500	500	0,100	455	501
4x400	RM	74,2	8600	500	0,0778	526	592

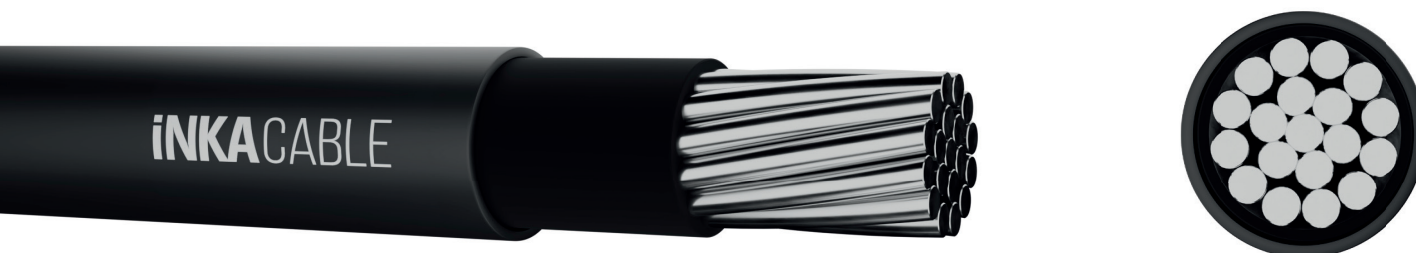
(N)AYY-0

Standard: IEC 60502-1

One Core / Aluminum Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x16	RM	9,7	120	1000	1,91	80	75
1x25	RM	11,3	150	1000	1,20	125	87
1x35	RM	12,2	190	1000	0,868	151	131
1x50	RM	13,7	270	1000	0,641	179	160
1x70	RM	15,4	330	1000	0,443	218	202
1x95	RM	17,7	430	1000	0,320	261	249
1x120	RM	19,1	530	1000	0,253	297	291
1x150	RM	21,1	680	1000	0,206	332	333
1x185	RM	23,3	780	1000	0,164	376	384
1x240	RM	26,2	1000	1000	0,125	437	460
1x300	RM	29,1	1290	1000	0,100	494	530
1x400	RM	32,3	1650	1000	0,0778	572	642

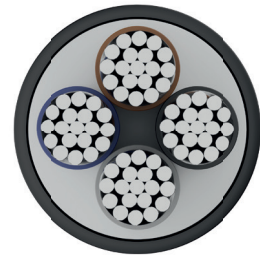
(N)AYY-0

Standard: IEC 60502-1

Multi Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable ducts.

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x16	RM	22,3	600	1000	1,91	70	65
4x25	RM	26,2	950	1000	1,20	99	83
4x35	RM	28,3	1130	1000	0,868	118	102
4x50	RM	32,5	1550	1000	0,641	142	124
4x70	RM	37,0	2000	1000	0,443	176	158
4x95	RM	42,3	2600	1000	0,320	211	160
4x120	RM	46,4	3100	1000	0,253	242	220
4x150	RM	51,0	3900	1000	0,206	270	252
4x185	RM	56,8	4800	500	0,164	308	289
4x240	RM	63,6	6000	500	0,125	363	339
4x300	RM	70,5	7400	500	0,100	412	377
4x400	RM	78,9	9600	500	0,0778	475	444

(N)YY-0

Standard: IEC 60502-1

One Core / Copper Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x1.5	RE	5,8	50	1000	12,1	-	25
1x2.5	RE	6,1	60	1000	7,41	-	34
1x4	RE	7,0	85	1000	4,61	-	45
1x6	RE	7,5	105	1000	3,08	-	57
1x10	RM	8,7	155	1000	1,83	-	78
1x16	RM	9,7	210	1000	1,15	127	103
1x25	RM	11,3	310	1000	0,727	163	137
1x35	RM	12,2	420	1000	0,524	195	169
1x50	RM	13,7	560	1000	0,387	230	206
1x70	RM	15,4	780	1000	0,268	282	261
1x95	RM	17,7	1040	1000	0,193	336	321
1x120	RM	19,1	1300	1000	0,153	382	374
1x150	RM	21,1	1600	1000	0,124	428	428
1x185	RM	23,3	1900	1000	0,0991	483	494
1x240	RM	26,2	2450	1000	0,0754	561	590
1x300	RM	29,1	3000	1000	0,0601	632	678
1x400	RM	32,3	4000	1000	0,0470	730	817
1x500	RM	36,2	5000	1000	0,0366	823	940
1x630	RM	39,9	6150	500	0,0283	866	1100

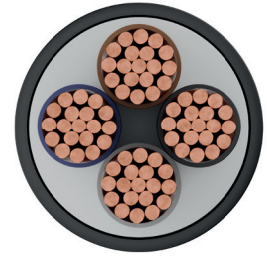
(N)YY-0

Standard: IEC 60502-1

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_0/U ; 0,6 / 1 kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	50 N/mm ²	Filler	IEC 60502-1
Rated current carrying capacity	One system	Sheath	PVC IEC 60502-1
		Color of Sheath	Black

Application

The power cables with insulation of PVC are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside) underground and cable used in channels.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	-	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1,5	RE	12,8	250	1000	12,1	26	18,5
4x2,5	RE	13,7	290	1000	7,41	34	25
4x4	RE	15,8	420	1000	4,61	44	34
4x6	RE	17,0	530	1000	3,08	56	43
4x10	RM	19,9	700	1000	1,83	75	60
4x16	RM	22,3	1060	1000	1,15	98	80
4x25	RM	26,2	1550	1000	0,727	128	106
4x35	RM	28,3	2000	1000	0,524	157	131
4x50	RM	32,5	2700	1000	0,387	185	159
4x70	RM	37	3700	1000	0,268	228	202
4x95	RM	42,3	5000	1000	0,193	275	244
4x120	RM	46,4	6200	500	0,153	313	282
4x150	RM	51	7600	500	0,124	353	324
4x185	RM	56,8	9450	500	0,0991	399	371
4x240	RM	63,6	12000	500	0,0754	464	436
4x300	RM	70,5	15000	250	0,0601	524	481
4x400	RM	78,9	19500	250	0,0470	600	560

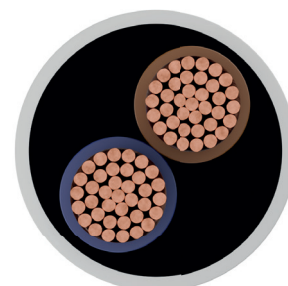
H03VV - F

Standard: EN 50525-2-11

Multi Core / Copper Conductor / PVC insulated / PVC sheath

Installation Cables

Rated Voltage: U_0/U ; 300/300 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible Copper Conductor
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	300 / 300 V	Color of Insulation	Brown, Blue
Bending Radius, min.	6 x D cable	Sheath	PVC
Rated current carrying capacity	One System	Color of Sheath	White or Black

Application

H03VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress, It is used in household appliances, steamy and humid places. Nominal voltage 300/300 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	A
2 x 0,50	FLEXIBLE	5,7	47,8	100	39,0	8
2 x 0,75	FLEXIBLE	5,9	54,0	100	26,0	13
3 x 0,50	FLEXIBLE	5,5	44,5	100	39,0	8
3 x 0,75	FLEXIBLE	5,7	52,8	100	26,0	13
4 x 0,50	FLEXIBLE	6,0	54,4	100	39,0	8
4 x 0,75	FLEXIBLE	6,3	64,9	100	26,0	13

Other dimensions are available on request

H05V - K

Standard: EN 50525-2-31

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 300/500 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible copper conductor Class 5
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	6xD	Filler	No Sheath

Application

H05V - K is a PVC insulated non-sheathed, single core cable with flexible copper conductor, that is used in the connections of mobile devices, in dry places inside the building. It is used in pipes under or over the plaster. Nominal voltage 300/500 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1 x 0,50	FLEXIBLE	2,1	9	100	39,0	11
1 x 0,75	FLEXIBLE	2,3	11	100	26,0	16
1 x 1,0	FLEXIBLE	2,4	14	100	19,5	20

Other dimensions are available on request

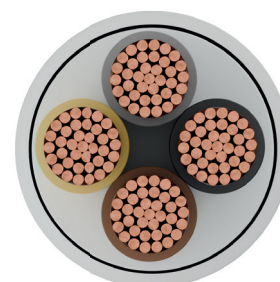
H05VV-F

Standard: IEC 60502-1

Multi Core / Copper Conductor / PVC insulated / Filler (PVC) / PVC Sheath

Installation Cables

Rated Voltage: U₀/U; 300/500kV



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible copper conductor Class 5
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	300 / 500 V	Color of Insulation	
Bending Radius, min.	6 x D Cable	2x - Brown, Blue	
Rated current carrying capacity	One system	3x - Brown, Blue, Yellow/Green	
		4x - Brown, Black, Blue, Yellow/Green	
		5x - Brown, Black, Grey, Blue, Yellow/Green	
		Sheath	PVC
		Color of Sheath	White or Black

Application

H05VV-F is a flexible cable that consists of more than one core from fine stranded copper conductor and is with PVC insulation. It is safe in closed and dry places where there is little mechanical stress, It is used in household appliances, steamy and humid places. Nominal voltage 300/500 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	A
2 x 0,75	FLEXIBLE	6,7	70,4	100	26,0	13
2 x 1	FLEXIBLE	7,1	80,0	100	19,5	16
2 x 1,5	FLEXIBLE	8,1	106,0	100	13,3	20
2 x 2,5	FLEXIBLE	9,8	159,3	100	7,98	27
2 x 4	FLEXIBLE	11,1	214,0	100	4,95	34
3 x 0,75	FLEXIBLE	6,6	68,1	100	26,0	13
3 x 1	FLEXIBLE	7,0	79,0	100	19,5	16
3 x 1,5	FLEXIBLE	8,3	111,1	100	13,3	20
3 x 2,5	FLEXIBLE	10,1	170,5	100	7,98	20
3 x 4,0	FLEXIBLE	11,5	234,6	100	4,95	34
4 x 0,75	FLEXIBLE	7,2	83,0	100	26,0	13
4 x 1,0	FLEXIBLE	7,8	100,8	100	19,5	16
4 x 1,5	FLEXIBLE	9,2	141,3	100	13,3	20
4 x 2,5	FLEXIBLE	11,0	210,3	100	7,98	27
4 x 4,0	FLEXIBLE	12,6	291,2	100	4,95	34
5 x 0,75	FLEXIBLE	8,1	103,4	100	26,0	13
5 x 1	FLEXIBLE	8,5	120,7	100	19,5	16
5 x 1,5	FLEXIBLE	10,3	174,7	100	13,3	20
5 x 2,5	FLEXIBLE	12,3	259,5	100	7,98	27
5 x 4	FLEXIBLE	14,1	366,1	100	4,95	34

Other dimensions are available on request

H07V - K

Standard: EN 50525-2-31

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Flexible copper conductor
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	6xD	Filler	No Sheath

Application

H07V - K is a PVC insulated non-sheathed, single core cable with flexible copper conductor, that is used in the connections of mobile devices, in dry places inside the building. It is used in pipes under or over the plaster. Nominal voltage 450/750 V.

Flexible - Fine stranded copper conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1 x 1,5	FLEXIBLE	3,0	20	100	13,3	24
1 x 2,5	FLEXIBLE	3,7	31	100	7,98	32
1 x 4	FLEXIBLE	4,2	45	100	4,95	42
1 x 6	FLEXIBLE	4,8	63	100	3,30	54
1 x 10	FLEXIBLE	6,6	110	100	1,91	73
1 x 16	FLEXIBLE	7,9	165	100	1,21	98
1 x 25	FLEXIBLE	9,7	250	1000	0,780	129
1 x 35	FLEXIBLE	11,1	345	1000	0,554	158
1 x 50	FLEXIBLE	13,2	495	1000	0,386	198
1 x 70	FLEXIBLE	15,1	680	1000	0,272	245
1 x 95	FLEXIBLE	17,5	895	1000	0,206	292
1 x 120	FLEXIBLE	19,3	1125	1000	0,161	344
1 x 150	FLEXIBLE	21,6	1410	1000	0,129	391
1 x 185	FLEXIBLE	24,0	1750	1000	0,106	448
1 x 240	FLEXIBLE	27,1	2300	1000	0,0801	528

Other dimensions are available on request

H07V - U

Standard: EN 50525-2-31

Copper Conductor / PVC insulated / NON-SHEATHED

Installation Cables

Rated Voltage: U₀/U; 450/750 V



Technical Data		Cable Structure	
Core temperature, max.	70 °C in Operation	Conductor	Solid Copper Conductor Class 1
Max. Short Circuit Temperature	160 °C / 5 sec.	Insulation	PVC
Rated Voltage	450 / 750 V	Color of Insulation	Black
Bending Radius, min.	12xD	Filler	No Sheath

Application

H07V -U is a Single core cable with solid copper conductor and is with PVC insulation. It is used in the connections of mobile devices, in closed and dry places inside the building, under or above the plaster, where there is little mechanical stress. Nominal voltage 450/750 V.

RE - Stranded copper conductor

RM - Multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)
No x mm ²	-	mm	kg/km	m	ohm/km	In Air 30 °C
1 x 1,5	RE	2,8	20	100	12,1	24
1 x 2,5	RE	3,3	31	100	7,41	32
1 x 4	RE	3,8	46	100	4,61	42
1 x 6	RE	4,3	65	100	3,08	54
1 x 10	RE	5,5	108	100	1,83	73

Other dimensions are available on request

X00-A & X00/O-A

Standard: HD 626 S1

Multiwire Aluminium Conductor / XLPE insulated / Supporting Neutral Conductor

Low Voltage Bundle Energy Cable

Rated Voltage: U₀/U; 0,6/1 kV



Technical Data		Cable Structure	
Core temperature, max.	90 °C in Operation	Conductor	HD 626 S1
Max. Short Circuit Temperature	250 °C / 5 sec.	Insulation	HD 626 S1
Rated current carrying capacity	One system	Color of Insulation	Black, XLPE TS HD 626 S1

Application

Power cable with insulation of XLPE that is used for overhead power distribution, and in places instead of bare conductor in low voltage line networks. Sites that are close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses. This cable types are designed for aerial power lines.

Number of wires x Nominal Cross Section	INSULATED CONDUCTORS (AL)							INSULATED CONDUCTORS (ALLOY)			CABLE		
	Number of wires and cross section	Number of Wires	Average Dimater of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Current carrying capacity	Number of wires and cross section	Average Dimater of Conductor (Approx.)	Conductor DC Resistance at 20 °C	Average Diameter of Supporting Wire	Minimum Brekaing Strength	Conductor DC Resistance at 20 °C	Average Dimater of Bending (Approx.)	Weight of Cable (Approx.)
No x mm ²	mm ²	Pieces	mm	ohm/km	A	mm ²	mm	ohm/km	mm	kN	ohm/km	mm	kg/km
2x16	2x16	1	4,4	1,91	80	-	-	-	-	-	-	14	130
2x25	2x25	7	5,9	1,20	100	-	-	-	-	-	-	17	185
4x16	4x16	1	4,4	1,91	70	-	-	-	-	-	-	17	270
4x25	4x25	7	5,9	1,20	90	-	-	-	-	-	-	21	390
4x35	4x35	7	6,9	0,868	115	-	-	-	-	-	-	25	550
4x50	4x50	7	8,1	0,641	140	-	-	-	-	-	-	29	720
3x25 + 25	3x25	7	5,9	1,20	90	1x25	5,9	1,20	-	-	-	24	410
3x25 + 54,6	3x25	7	5,9	1,20	90	-	-	-	9,5	16,1	0,630	31	520
3x35 + 54,6	3x35	7	6,9	0,868	115	-	-	-	9,5	16,1	0,630	33	640
3x50 + 54,6	3x50	7	8,1	0,64	140	-	-	-	9,5	16,1	0,630	36	780
3x95 + 54,6	3x95	7	11,4	0,320	210	-	-	-	9,5	16,1	0,630	41	1230
3x35 + 70	3x35	7	6,9	0,868	115	-	-	-	10,0	20,5	0,500	28	660
3x70 + 70	3x70	7	9,7	0,443	180	-	-	-	10,0	20,5	0,500	37	1030
4x50 + 2x25	4x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	36	930
4x95 + 2x25	4x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1550
3x35 + 2x25 + 54,6	3x35	7	6,9	0,868	115	2x25	5,9	1,20	9,5	16,1	0,630	36	850
3x50 + 2x25 + 54,6	3x50	7	8,1	0,641	140	2x25	5,9	1,20	9,5	16,1	0,630	37	970
3x70 + 2x25 + 54,6	3x70	7	9,7	0,443	180	2x25	5,9	1,20	9,5	16,1	0,630	39	1190
3x95 + 2x25 + 54,6	3x95	19	11,4	0,320	210	2x25	5,9	1,20	9,5	16,1	0,630	42	1450
3x150 + 70	3x150	19	14,3	0,206	344	-	-	-	10,0	20,5	0,500	42	1660

iNKACABLE





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