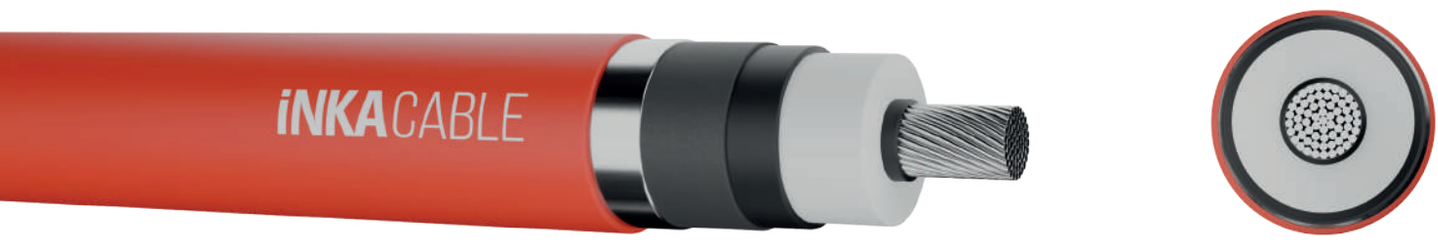
NA2X(FL)2Y & AL/XLPE/ SCWBT/ALT/PE

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

Aluminum Conductor / XLPE insulated / Semicontuctive Waterblocking Tape / Copolymer-Coated Aluminum Tape / PE Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 6 / 10 kV



Technical Data	
Core temperature, max.	90 °C in Operation
Max. Short Circuit Temperature	250 °C / 5 sec.
Bending Radius, min.	15 x D cable
Max. Permessble Tensile	30 N/mm^2

Cable Structure
1-Circular Compacted Aluminium (Class 2 IEC 60228)
2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
3-XLPE Insulation
4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
5-Semi Conductive Waterblocking Tape
6-Copolymer-Coated Aluminum Tape
7-PE Outer Sheath (ST 7 IEC 60502-2)

Application

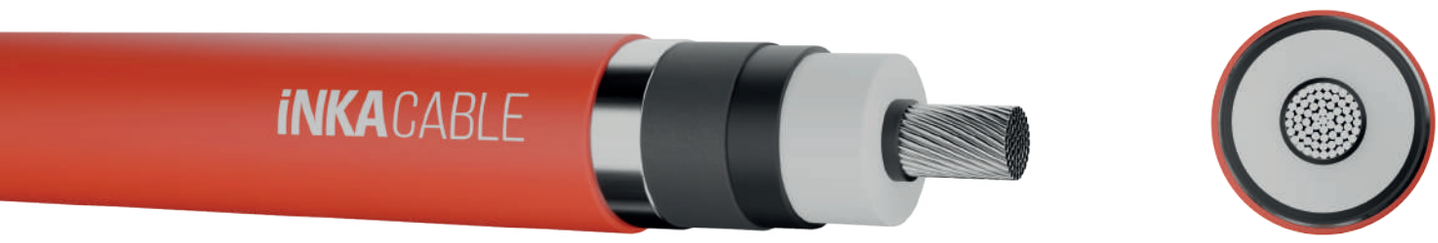
These cables have very low dielectric losses and are used in networks with sudden load changes, in residential and industrial areas where short-circuit current levels are high, in cable ducts/channels, and underground. Thanks to barriers that prevent the cable from taking in water due to mechanical impacts, they are also suitable for use in water.

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)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	21,0	370	1000	1,20	0,19	-	-
1x35/16	22,0	420	1000	0,868	0,21	-	-
1x50/16	23,0	475	1000	0,641	0,23	194	215
1x70/16	25,0	570	1000	0,443	0,26	236	269
1x95/16	27,0	675	1000	0,320	0,30	281	327
1x120/16	28,0	775	1000	0,253	0,32	318	377
1x150/25	30,0	880	1000	0,206	0,35	350	424
1x185/25	31,0	1020	1000	0,164	0,38	393	485
1x240/25	34,0	1240	1000	0,125	0,43	453	573
1x300/25	36,0	1455	1000	0,100	0,47	507	652
1x400/35	39,0	1770	1000	0,0778	0,52	559	741

NA2X(FL)2Y & AL/XLPE/ SCWBT/ALT/PE

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

Aluminum Conductor / XLPE insulated / Semicontuctive Waterblocking Tape / Copolymer-Coated Aluminum Tape / PE Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 12 / 20 kV



Technical Data	
Core temperature, max.	90 °C in Operation
Max. Short Circuit Temperature	250 °C / 5 sec.
Bending Radius, min.	15 x D cable
Max. Permessble Tensile	30 N/mm^2

Cable Structure
1-Circular Compacted Aluminium (Class 2 IEC 60228)
2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
3-XLPE Insulation
4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
5-Semi Conductive Waterblocking Tape
6-Copolymer-Coated Aluminum Tape
7-PE Outer Sheath (ST 7 IEC 60502-2)

Application

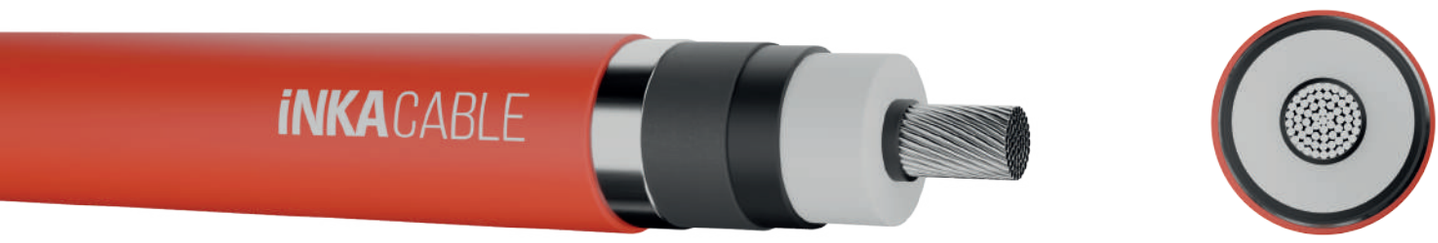
These cables, which have very low dielectric losses, are used in networks with sudden load variations, in residential and industrial areas where short-circuit current levels are high, as well as in cable ducts and underground installations. Thanks to barriers that prevent the cable from taking in water due to mechanical impacts, they are also suitable for use in water.

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)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	25,0	515	1000	1,20	0,14	-	-
1x35/16	26,0	565	1000	0,868	0,15	-	-
1x50/16	27,0	635	1000	0,641	0,16	195	217
1x70/16	29,0	740	1000	0,443	0,18	237	270
1x95/16	31,0	865	1000	0,320	0,20	282	328
1x120/16	33,0	975	1000	0,253	0,21	320	378
1x150/25	34,0	1090	1000	0,206	0,24	353	425
1x185/25	36,0	1245	1000	0,164	0,26	396	485
1x240/25	38,0	1480	1000	0,125	0,29	457	573
1x300/25	41,0	1710	1000	0,100	0,31	511	652
1x400/35	44,0	2045	1000	0,0778	0,35	566	740

NA2X(FL)2Y & AL/XLPE/ SCWBT/ALT/PE

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

Aluminum Conductor / XLPE insulated / Semicontuctive Waterblocking Tape / Copolymer-Coated Alüminium Tape / PE Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 18 / 30 kV



Technical Data	
Core temperature, max.	90 °C in Operation
Max. Short Circuit Temperature	250 °C / 5 sec.
Bending Radius, min.	15 x D cable
Max. Permessble Tensile	30 N/mm^2

Cable Structure
1-Circular Compacted Aluminium (Class 2 IEC 60228)
2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
3-XLPE Insulation
4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
5-Semi Conductive Waterblocking Tape
6-Copolymer-Coated Aluminum Tape
7-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables have very low dielectric losses and are used in networks with sudden load fluctuations, in residential and industrial areas where short-circuit current levels are high, in cable ducts/channels, and in underground installations. Thanks to barriers that prevent the cable from taking in water due to mechanical impacts, they are also suitable for use in water.

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)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	31,0	730	1000	1,20	0,11	-	-
1x35/16	32,0	790	1000	0,868	0,12	-	-
1x50/16	33,0	870	1000	0,641	0,13	196	217
1x70/16	35,0	990	1000	0,443	0,14	238	270
1x95/16	37,0	1130	1000	0,320	0,16	284	328
1x120/16	38,0	1250	1000	0,253	0,17	322	378
1x150/25	40,0	1380	1000	0,206	0,18	355	425
1x185/25	41,0	1550	1000	0,164	1,19	400	485
1x240/25	44,0	1802	1000	0,125	0,21	461	572
1x300/25	46,0	2050	1000	0,100	0,23	516	649
1x400/35	49,0	2410	1000	0,0778	0,26	572	737

NA2X(FL)2Y & AL/XLPE/ SCWBT/ALT/PE

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

Aluminum Conductor / XLPE insulated / Semicontuctive Waterblocking Tape / Copolymer-Coated Alüminium Tape / PE Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 20,3 / 35 kV





Technical Data	
Core temperature, max.	90°C in Operation
Max. Short Circuit Temperature	250°C / 5 sec.
Bending Radius, min.	15 x D cable
Max. Permessble Tensile	30 N/mm^2

Cable Structure
1-Circular Compacted Aluminium (Class 2 IEC 60228)
2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
3-XLPE Insulation
4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
5-Semi Conductive Waterblocking Tape
6-Copolymer-Coated Aluminum Tape
7-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current levels, in cable ducts, and underground. Thanks to barriers that prevent the cable from taking in water due to mechanical impacts, they are also suitable for use in water.

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)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	32,0	830	1000	1,20	0,10	-	-
1x35/16	33,0	895	1000	0,868	0,11	-	-
1x50/16	35,0	975	1000	0,641	0,12	196	217
1x70/16	36,0	1100	1000	0,443	0,13	238	270
1x95/16	38,0	1250	1000	0,320	0,14	284	328
1x120/16	40,0	1375	1000	0,253	0,16	322	378
1x150/25	41,0	1510	1000	0,206	0,17	355	425
1x185/25	43,0	1680	1000	0,164	0,18	400	485
1x240/25	45,0	1940	1000	0,125	0,2	461	572
1x300/25	48,0	2195	1000	0,100	0,21	516	649
1x400/35	51,0	2570	1000	0,0778	0,23	572	737