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

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

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





Technical Data		Cable Structure
Core temperature, max.	90°C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
Max. Short Circuit Temperature	250°C / 5 sec.	3-XLPE Insulation
		4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi Conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-Copolymer-Coated Aluminium Tape
		9-PE Outer Sheath (ST 7 IEC 60502-2)

Application

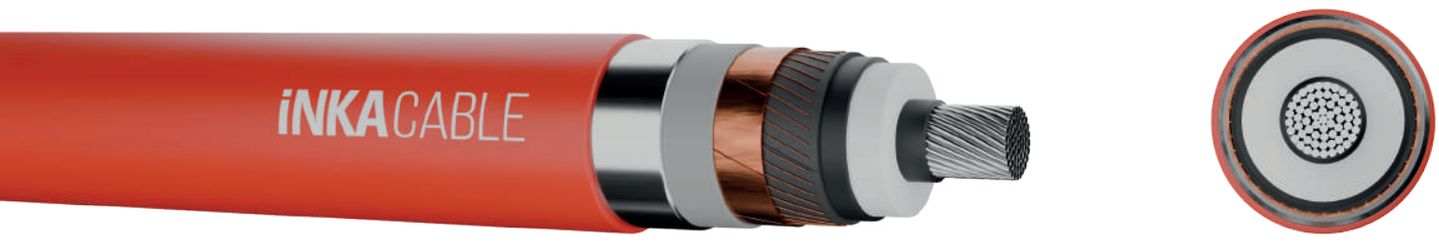
These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and underground. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is 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	550	1000	1,20	0,19	-	-
1x35/16	26,0	600	1000	0,868	0,21	-	-
1x50/16	27,0	660	1000	0,641	0,23	194	217
1x70/16	29,0	750	1000	0,443	0,26	236	296
1x95/16	30,0	860	1000	0,320	0,30	281	327
1x120/16	32,0	960	1000	0,253	0,32	318	377
1x150/25	33,0	1150	1000	0,206	0,35	350	424
1x185/25	35,0	1290	1000	0,164	0,38	393	485
1x240/25	38,0	1510	1000	0,125	0,43	453	573
1x300/25	40,0	1730	1000	0,100	0,47	507	652
1x400/35	43,0	2130	1000	0,0778	0,52	559	741

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

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

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



Technical Data		Cable Structure
Core temperature, max.	90°C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
Max. Short Circuit Temperature	250°C / 5 sec.	3-XLPE Insulation
		4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi Conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-Copolymer-Coated Aluminium Tape
		9-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 values, in cable ducts, and in underground applications. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is 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	29,0	700	1000	1,20	0,14	-	-
1x35/16	30,0	750	1000	0,868	0,15	-	-
1x50/16	31,0	820	1000	0,641	0,16	195	217
1x70/16	33,0	920	1000	0,443	0,18	237	270
1x95/16	35,0	1050	1000	0,320	0,20	282	328
1x120/16	36,0	1165	1000	0,253	0,22	320	378
1x150/25	38,0	1360	1000	0,206	0,24	353	425
1x185/25	40,0	1515	1000	0,164	0,26	396	485
1x240/25	42,0	1750	1000	0,125	0,29	457	573
1x300/25	44,0	1985	1000	0,100	0,31	511	652
1x400/35	48,0	2415	1000	0,0778	0,35	566	740

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

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

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





Technical Data		Cable Structure
Core temperature, max.	90°C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
Max. Short Circuit Temperature	250°C / 5 sec.	3-XLPE Insulation
		4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi Conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-Copolymer-Coated Aluminium Tape
		9-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks with sudden load changes, in residential and industrial areas where short-circuit current values are high, in cable ducts, and underground installations. Thanks to the barriers that prevent water ingress caused by mechanical impacts, the cable is 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	34,0	920	1000	1,20	0,11	-	-
1x35/16	35,0	980	1000	0,868	0,12	-	-
1x50/16	37,0	1060	1000	0,641	0,13	196	217
1x70/16	38,0	1180	1000	0,443	0,14	238	270
1x95/16	40,0	1320	1000	0,320	0,16	284	328
1x120/16	42,0	1445	1000	0,253	0,17	322	378
1x150/25	43,0	1655	1000	0,206	0,18	355	425
1x185/25	45,0	1860	1000	0,164	0,19	400	485
1x240/25	47,0	2075	1000	0,125	0,21	461	572
1x300/25	50,0	2325	1000	0,100	0,23	516	649
1x400/35	53,0	2780	1000	0,0778	0,26	572	737

NA2XS(FL)2Y & AL/XLPE/ SCWBT/CWS/WBT/ALT/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 / Copolymer-Coated Alüminium Tape / PE Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 20,3 / 35 kV





Technical Data		Cable Structure
Core temperature, max.	90°C in Operation	1-Circular Compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, Semi-Conductive Conductor Screen(Inner Semi-Conductive Layer)
Max. Short Circuit Temperature	250°C / 5 sec.	3-XLPE Insulation
		4-Exruded, Semi-Conductive Insulation Screen(Outer Semi-Conductive Layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi Conductive Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-Copolymer-Coated Aluminium Tape
		9-PE Outer Sheath (ST 7 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks with sudden load changes, in residential and industrial areas where short-circuit current values are high, in cable ducts, and underground installations. Thanks to the barriers that prevent water ingress caused by mechanical impacts, the cable is 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	37,0	1020	1000	1,20	0,10	-	-
1x35/16	38,0	1080	1000	0,868	0,11	-	-
1x50/16	39,0	1165	1000	0,641	0,12	196	217
1x70/16	40,0	1290	1000	0,443	0,13	238	270
1x95/16	42,0	1435	1000	0,320	0,14	284	328
1x120/16	44,0	1560	1000	0,253	0,16	322	378
1x150/25	45,0	1780	1000	0,206	0,17	355	425
1x185/25	47,0	1950	1000	0,164	0,18	400	485
1x240/25	50,0	2220	1000	0,125	0,2	461	572
1x300/25	52,0	2475	1000	0,100	0,21	516	649
1x400/35	55,0	2940	1000	0,0778	0,23	572	737