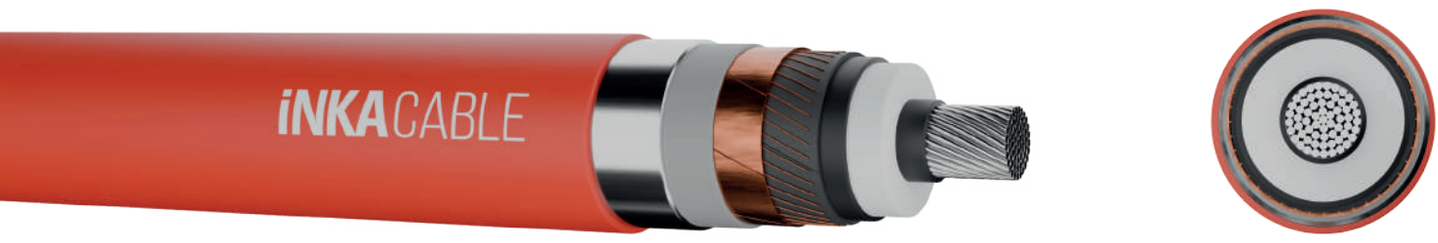
NA2XS(F)2Y & AL/XLPE/ SCWBT/CWS/WBT/PE

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: 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-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 installations. Thanks to the barriers that prevent water ingress caused by 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	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	194	215
1x70/16	28,0	690	1000	0,443	0,26	236	269
1x95/16	30,0	790	1000	0,320	0,30	281	327
1x120/16	31,0	885	1000	0,253	0,32	318	377
1x150/25	33,0	1070	1000	0,206	0,35	350	424
1x185/25	35,0	1210	1000	0,164	0,38	393	485
1x240/25	37,0	1425	1000	0,125	0,43	453	573
1x300/25	39,0	1635	1000	0,100	0,47	507	652
1x400/35	43,0	2035	1000	0,0778	0,52	559	741

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

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

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking 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-PE Outer Sheath (ST 7 IEC 60502-2)

Application

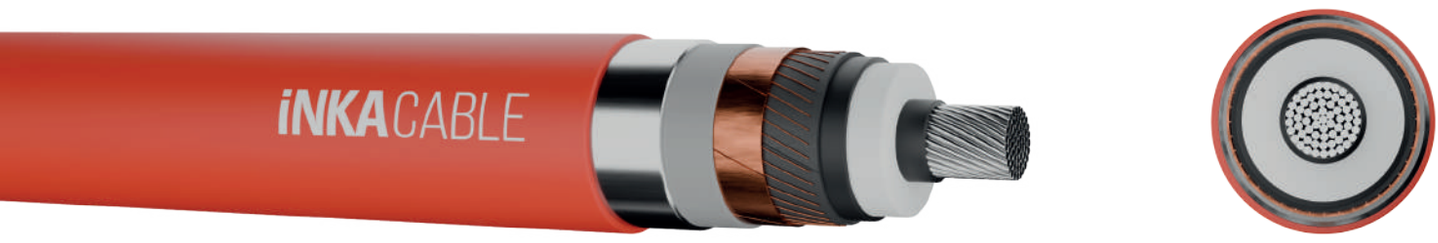
These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and underground installations. Thanks to the barriers that prevent water ingress caused by mechanical 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	635	1000	1,20	0,14	-	-
1x35/16	30,0	680	1000	0,868	0,15	-	-
1x50/16	31,0	750	1000	0,641	0,16	195	217
1x70/16	32,0	850	1000	0,443	0,18	237	270
1x95/16	34,0	970	1000	0,320	0,20	282	328
1x120/16	36,0	1080	1000	0,253	0,22	320	378
1x150/25	37,0	1275	1000	0,206	0,24	353	425
1x185/25	39,0	1425	1000	0,164	0,26	396	485
1x240/25	42,0	1655	1000	0,125	0,29	457	573
1x300/25	44,0	1880	1000	0,100	0,31	511	652
1x400/35	47,0	2305	1000	0,0778	0,35	566	740

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

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

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking 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-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 levels are high, in cable ducts, and for underground installations. Thanks to the barriers that prevent water ingress caused by 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	34,0	840	1000	1,20	0,11	-	-
1x35/16	35,0	900	1000	0,868	0,12	-	-
1x50/16	36,0	975	1000	0,641	0,13	196	217
1x70/16	38,0	1090	1000	0,443	0,14	238	270
1x95/16	40,0	1255	1000	0,320	0,16	284	328
1x120/16	41,0	1345	1000	0,253	0,17	322	378
1x150/25	43,0	1555	1000	0,206	0,18	355	425
1x185/25	44,0	1720	1000	0,164	0,19	400	485
1x240/25	47,0	1965	1000	0,125	0,21	461	572
1x300/25	49,0	2210	1000	0,100	0,23	516	649
1x400/35	52,0	2660	1000	0,0778	0,26	572	737

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 / 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-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 in underground installations. Thanks to the barriers that prevent water ingress caused by 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	36,0	935	1000	1,20	0,10	-	-
1x35/16	37,0	995	1000	0,868	0,11	-	-
1x50/16	38,0	1075	1000	0,641	0,12	196	217
1x70/16	40,0	1195	1000	0,443	0,13	238	270
1x95/16	42,0	1335	1000	0,320	0,14	284	328
1x120/16	43,0	1465	1000	0,253	0,16	322	378
1x150/25	45,0	1675	1000	0,206	0,17	355	425
1x185/25	47,0	1845	1000	0,164	0,18	400	485
1x240/25	49,0	2100	1000	0,125	0,2	461	572
1x300/25	51,0	2355	1000	0,100	0,21	516	649
1x400/35	55,0	2810	1000	0,0778	0,23	572	737