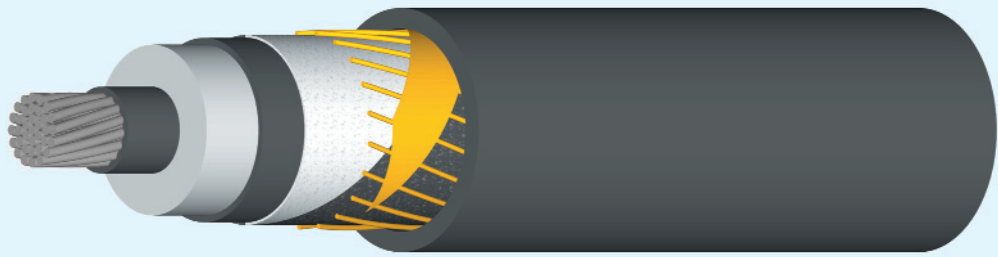


NA2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV

Aluminium core, XLPE insulated, longitudinally water-tight, PE sheath



Cable structure

- Aluminium core, stranded according to HD 383, IEC 60228
- Inner semi-conducting coating
- Core insulation of cross-linked polyethylene (XLPE)
- Outer semi-conducting coating spliced with the insulation
- Tape of conductive material
- Tape of longitudinally water-tight material
- Screening of copper wires and one or two copper tapes contrary applied
- Wrapping with non-conducting tape
- Sheath of PE compound, color black

Technical data

- XLPE-insulated cable according to DIN VDE 0276 part 620, HD 620 S1 and IEC 60502
- **Operating temperature range**
during installation -5 °C to +70 °C, fixed from -30°C to +70°C, on the core max. +90°C
- **Short circuit temperature** 250 °C (up to 5 seconds)
- **Nominal voltages** U_o/U 6/10 kV, 12/20 kV, 18/30 kV
- **Operating voltages**
6/10 kV = max. 12 kV
12/20 kV = max. 24 kV
18/30 kV = max. 36 kV
- **Test voltage a.c.**
6/10 kV = 21 kV up to 5 min.
12/20 kV = 42 kV up to 5 min.
18/30 kV = 63 kV up to 5 min.
- **Minimum bending radius** approx. 15× cable diameter

Application

Cable is suitable for installation in cable ducts, power plants as well as for outer laying into earth, water or for installation in distribution boards. Due to its good shaping characteristics, this cable can also be laid even in difficult line guideways. To avoid the influence of the outer interferences, an adherent semi-conductive layer is extruded between the conductor and the insulation. We recommend the use of stripping tool for correct installation.

Ordering code	Number of cores × core cross section [mm²]	Insulation thickness [mm]	PE sheath thickness [mm]	Approx. outer Ø [mm]	Aluminium weight [kg/km]	Approx. cable weight [kg/km]	Cooper weight [kg/km]	Current carrying capacity - [A]	
								in earth (20 °C)	in air (30 °C)
NA2XS(F)2Y 6/10 kV									
0932600	1x35 rm/16	3,4	2,5	26	102	780	182	171	183
0932601	1x50 rm/16	3,4	2,5	28	145	850	182	208	228
0932602	1x70 rm/16	3,4	2,5	30	203	980	182	248	278
0932603	1x95 rm/16	3,4	2,5	31	276	1080	182	283	321
0932604	1x120 rm/16	3,4	2,5	32	348	1150	182	315	364
0932605	1x150 rm/25	3,4	2,5	34	435	1280	283	357	418
0932606	1x185 rm/25	3,4	2,5	36	537	1420	283	413	494
0932607	1x240 rm/25	3,4	2,5	38	696	1630	283	466	568
0932608	1x300 rm/25	3,4	2,5	40	870	1950	283	529	660
0932609	1x400 rm/35	3,4	2,5	44	1160	2350	394	529	660
0932610	1x500 rm/35	3,4	2,5	47	1450	2780	394	602	767
NA2XS(F)2Y 12/20 kV									
0932611	1x50 rm/16	5,5	2,5	32	145	920	182	172	185
0932612	1x70 rm/16	5,5	2,5	33	203	1030	182	210	231
0932613	1x95 rm/16	5,5	2,5	34	276	1140	182	251	280
0932614	1x120 rm/16	5,5	2,5	37	348	1250	182	285	323
0932615	1x150 rm/25	5,5	2,5	39	435	1320	283	319	366
0932616	1x185 rm/25	5,5	2,5	41	537	1570	283	361	420
0932617	1x240 rm/25	5,5	2,5	43	696	1780	283	417	496
0932618	1x300 rm/25	5,5	2,5	45	870	2100	283	471	569
0932619	1x400 rm/35	5,5	2,5	48	1160	2480	394	535	660
0932620	1x500 rm/35	5,5	2,5	52	1450	2900	394	609	766
NA2XS(F)2Y 18/30 kV									
0932621	1x50 rm/16	8,0	2,5	37	145	1250	182	174	187
0932622	1x70 rm/16	8,0	2,5	38	203	1500	182	213	232
0932623	1x95 rm/16	8,0	2,5	40	276	1700	182	254	282
0932624	1x120 rm/16	8,0	2,5	42	348	1800	182	289	325
0932625	1x150 rm/25	8,0	2,5	43	435	2050	283	322	367
0932626	1x185 rm/25	8,0	2,5	45	537	2150	283	364	421
0932627	1x240 rm/25	8,0	2,5	47	696	2400	283	422	496
0932628	1x300 rm/25	8,0	2,5	50	870	2700	283	476	568
0932629	1x400 rm/35	8,0	2,5	53	1160	3200	394	541	659
0932630	1x500 rm/35	8,0	2,5	56	1450	3550	394	616	764