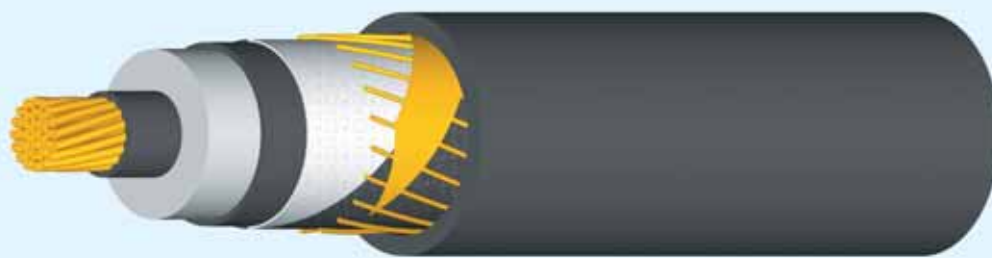


N2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV

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



Cable structure

- Round bare copper 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 with one or two copper tapes formed helically
- Wrapping with non-conducting tape
- Sheath of PE compound, color black

Technical data

- XLPE-insulated power cable according to DIN VDE 0276 part 620, HD 620 S1 and IEC 60502
- **Temperature at conductor** max. +90 °C
- **Temperature** during installation from -20 °C to +70 °C after installation max. +70 °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 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.

Part No.	Number of cores × core cross section [mm ²]	Insulation thickness [mm]	PE sheath thickness [mm]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A]	
							in earth (20 °C)	in air (30 °C)
N2XS(F)2Y 6/10 kV								
0932560	1×35 rm/16	3,4	2,5	26	518	1050	187	197
0932561	1×50 rm/16	3,4	2,5	28	662	1150	220	236
0932562	1×70 rm/16	3,4	2,5	30	854	1460	268	294
0932563	1×95 rm/16	3,4	2,5	31	1094	1700	320	358
0932564	1×120 rm/16	3,4	2,5	32	1334	2030	363	413
0932565	1×150 rm/25	3,4	2,5	34	1723	2350	405	468
0932566	1×185 rm/25	3,4	2,5	36	2059	2700	456	535
0932567	1×240 rm/25	3,4	2,5	38	2587	3300	526	631
0932568	1×300 rm/25	3,4	2,5	40	3163	3900	591	722
0932569	1×400 rm/35	3,4	2,5	44	4234	4850	662	827
0932570	1×500 rm/35	3,4	2,5	47	5194	6000	744	949
N2XS(F)2Y 12/20 kV								
0932571	1×35 rm/16	5,5	2,5	31	518	1210	189	200
0932572	1×50 rm/16	5,5	2,5	33	662	1400	222	239
0932573	1×70 rm/16	5,5	2,5	34	854	1550	271	297
0932574	1×95 rm/16	5,5	2,5	36	1094	1800	323	361
0932575	1×120 rm/16	5,5	2,5	37	1334	2150	367	416
0932576	1×150 rm/25	5,5	2,5	39	1723	2400	409	470
0932577	1×185 rm/25	5,5	2,5	41	2059	2850	461	538
0932578	1×240 rm/25	5,5	2,5	43	2587	3250	532	634
0932579	1×300 rm/25	5,5	2,5	45	3163	3850	599	724
0932580	1×400 rm/35	5,5	2,5	48	4234	4900	671	829
0932581	1×500 rm/35	5,5	2,5	52	5194	6100	754	953
N2XS(F)2Y 18/30 kV								
0932582	1×50 rm/16	8,0	2,5	37	662	1700	225	241
0932583	1×70 rm/16	8,0	2,5	38	854	1950	274	299
0932584	1×95 rm/16	8,0	2,5	40	1094	2300	327	363
0932585	1×120 rm/16	8,0	2,5	42	1334	2600	371	418
0932586	1×150 rm/25	8,0	2,5	43	1723	3000	414	472
0932587	1×185 rm/25	8,0	2,5	45	2059	3350	466	539
0932588	1×240 rm/25	8,0	2,5	47	2587	4100	539	635
0932589	1×300 rm/25	8,0	2,5	50	3163	4800	606	725
0932590	1×400 rm/35	8,0	2,5	53	4234	5750	680	831
0932591	1×500 rm/35	8,0	2,5	56	5194	6700	765	953