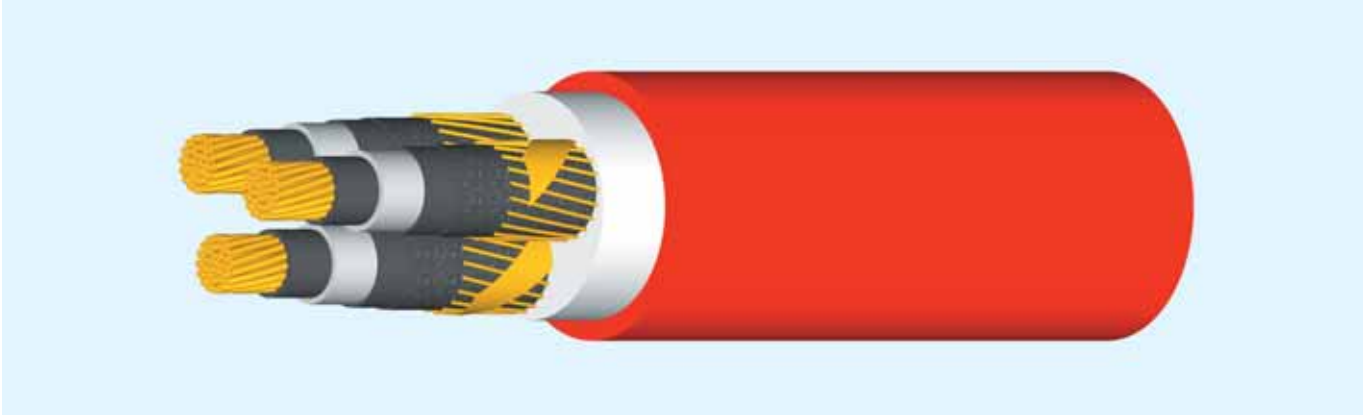


N2XSEY 6/10kV 3-core

Copper core XLPE insulated, with PVC 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
- Screening of copper wires with one or two copper tapes formed helically
- 3 cores stranded in layer
- Inner filling sheath
- Outer sheath of PVC compound, red
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- 3-core, XLPE-insulated power cable according to DIN VDE 0276 part 620, HD 620 and IEC 60502
- **Temperature at conductor** max. +90 °C
- **Temperature** during installation from -5 °C to +70 °C after installation max. +70 °C
- **Short circuit temperature** 250 °C (up to 5 seconds)
- **Nominal voltage** U_0/U 6/10 kV
- **Operating voltages** max. 12 kV
- **Test voltage a.c.** 21 kV
- **Minimum bending radius** approx. 15× cable diam.

Application

Cable suitable for indoor and outdoor installation in cable ducts, industrial distribution boards and switching systems. Limited use when buried into earth as the PVC outer jacket could be damaged by high mechanical stress.

Note

Conforms to RoHS.

Part No.	Number of cores × core cross section [mm ²]	Thicknees of in sulation [mm]	Thicknees of PVC sheath [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)
0934339	3 × 25 mm ² /16	3,4	2,5	43	1046	2850	149	144
0934340	3 × 35 mm ² /16	3,4	2,5	48	1210	3300	179	175
0934341	3 × 50 mm ² /16	3,4	2,5	50	1670	3750	211	209
0934342	3 × 70 mm ² /16	3,4	2,6	54	2250	4650	258	260
0934343	3 × 95 mm ² /16	3,4	2,8	58	2995	5700	309	315
0934344	3 × 120 mm ² /16	3,4	2,9	61	3715	6700	351	362
0934345	3 × 150 mm ² /25	3,4	3,0	65	4635	7900	394	411
0934346	3 × 185 mm ² /25	3,4	3,1	68	5645	9200	445	469
0934347	3 × 240 mm ² /25	3,4	3,3	74	7274	11450	517	552
0934348	3 × 300 mm ² /25	3,4	3,3	79	9160	14450	583	630