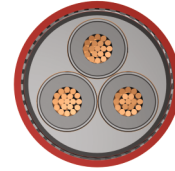
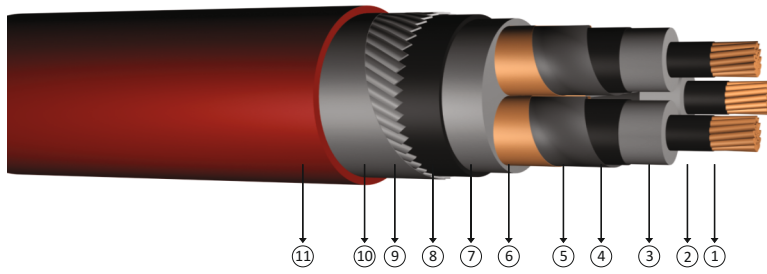


5.8/10 kV (6/10 kV) or 6.35/11 kV XLPE insulated round aluminium wire armoured, three core cables with copper conductor



Code: N2XSEYR(A)Y, CU/XLPE/CTS/PVC/AWA/PVC

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276-620, BS 6622

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 5.8/10 kV (6/10 kV)
 6.35/11 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts.

Construction

- 1 Stranded copper conductors
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Filler
- 8 Inner sheath
- 9 Aluminium round wire
- 10 Polyester tape
- 11 PVC outer jacket

DIMENSION AND WEIGHTS				ELECTRICAL PROPERTIES				
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Operation Inductance (approx)	Operation Capacitance (approx)	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	mH/km	µF/km	In ground at 20 °C	In air at 30 °C
3x35/16	55,5	5850	500	0,524	0,374	0.189	178	173
3x50/16	58,5	6650	500	0,387	0,355	0.209	210	206
3x70/16	62,5	7750	500	0,268	0,336	0.236	256	257
3x95/16	67,0	9100	500	0,193	0,320	0.263	307	313
3x120/16	71,0	10400	250	0,153	0,308	0.291	349	360
3x150/25	74,0	11700	250	0,124	0,299	0.314	392	410
3x185/25	79,0	14200	250	0,0991	0,290	0.341	443	469
3x240/25	86,0	16950	250	0,0754	0,278	0.387	513	553
3x300/25	92,0	19500	250	0,0601	0,270	0.422	576	635
3x400/35	100,0	23850	250	0,0470	0,261	0.475	650	731

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1