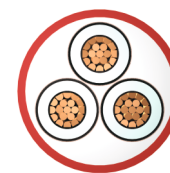
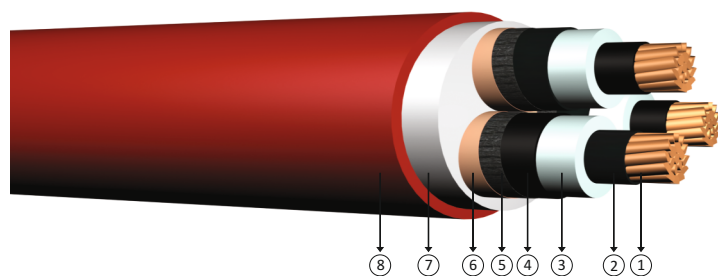


8.7/15 kV XLPE insulated, three core cables with copper conductor



Code: YXC8V-R, N2XSEY, CU/XLPE/CTS/PVC

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276 - 620

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 8.7/15 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 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	51,5	3600	1000	0,524	0,397	0,160	178	173
3x50/16	54,5	4300	1000	0,387	0,377	0,175	210	206
3x70/16	58,5	5200	500	0,268	0,356	0,196	256	257
3x95/16	62,5	6300	500	0,193	0,339	0,218	307	313
3x120/16	66,5	7350	500	0,153	0,325	0,240	349	360
3x150/25	69,5	8550	500	0,124	0,315	0,258	392	410
3x185/25	74,0	10000	500	0,0991	0,305	0,280	443	469
3x240/25	80,5	12200	250	0,0754	0,292	0,315	513	553
3x300/25	85,5	14450	250	0,0601	0,284	0,343	576	635
3x400/35	93,0	18150	250	0,0470	0,273	0,385	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