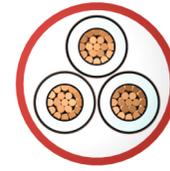
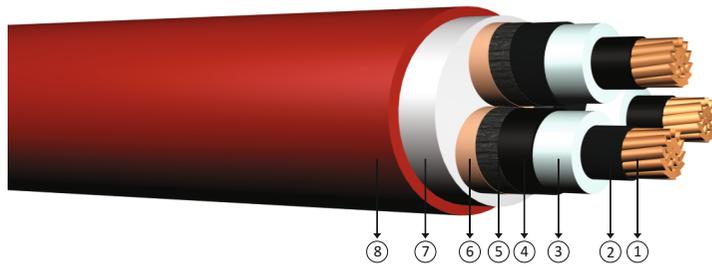


5.8/10 kV or 6.35/11 kV halogen free, flame retardant, XLPE insulated, three core cables with copper conductor



Code: YXC8Z1-R, N2XSEH, CU/XLPE/CTS/LSZH

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276-620, BS 7870-4.10

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

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

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 LSZH 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	46,5	3100	1000	0,524	0,374	0,189	178	173
3x50/16	49,5	3750	1000	0,387	0,355	0,209	210	206
3x70/16	53,0	4600	1000	0,268	0,336	0,236	256	257
3x95/16	57,5	5700	500	0,193	0,320	0,263	307	313
3x120/16	61,5	6700	500	0,153	0,308	0,291	349	360
3x150/25	64,5	7850	500	0,124	0,299	0,314	392	410
3x185/25	68,5	9200	500	0,0991	0,290	0,341	443	469
3x240/25	75,0	11450	250	0,0754	0,278	0,387	513	553
3x300/25	80,5	13650	250	0,0601	0,270	0,422	576	635
3x400/35	88,0	17250	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