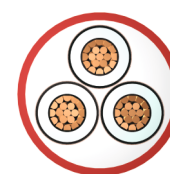
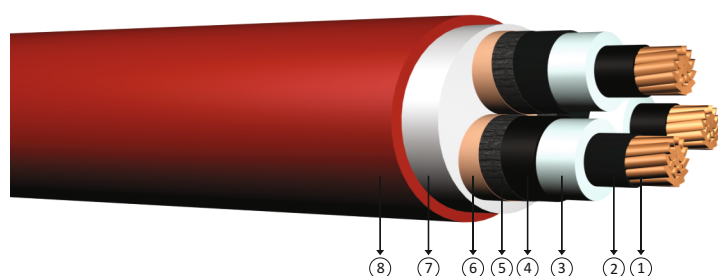


# 18/30 kV or 19/33 kV halogen free, flame retardant, XLPE insulated, three core cables with copper conductor



**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 : 18/30 kV  
 : 19/33 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 <sup>2</sup>	mm	kg/km	m	ohm/km	mH/km	µF/km	In ground at 20 °C	In air at 30 °C
3x35/16	68,0	5650	500	0,5240	0,457	0,114	-	-
3x50/16	71,5	6500	500	0,3870	0,434	0,124	214	217
3x70/16	75,0	7500	500	0,2680	0,410	0,137	261	269
3x95/16	79,0	8700	500	0,1930	0,389	0,150	313	326
3x120/16	83,0	9900	500	0,1530	0,372	0,163	356	377
3x150/25	86,0	11150	250	0,1240	0,360	0,174	400	426
3x185/25	90,0	12650	250	0,0991	0,348	0,188	441	488
3x240/25	97,0	15200	250	0,0754	0,331	0,209	510	576
3x300/25	102,0	17650	250	0,0601	0,321	0,226	604	651
3x400/35	110,0	21550	200	0,0470	0,307	0,251	-	-

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