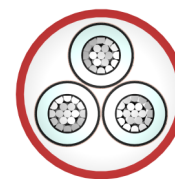
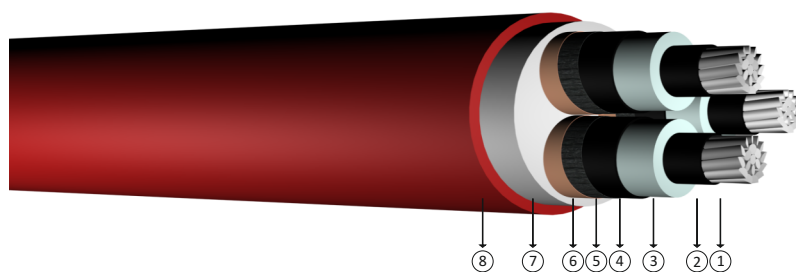


# 18/30 kV or 19/33 kV halogen free, flame retardant, XLPE insulated three core cables with aluminium conductor



**Code:** YAXC8Z1-R, NA2XSEH, AL/XLPE/CTS/LSZH

R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 2, VDE 0276 - 620, BS 7835

### 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 aluminium conductor      3 XLPE insulation      5 Semi conductive tape      7 Filler
- 2 Inner semi conductive layer      4 Outer semi conductive layer      6 Copper screen      8 HFFR 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	5000	1000	0,868	0,457	0,114	-	-
3x50/16	71,5	5550	500	0,641	0,434	0,124	166	171
3x70/16	75,0	6200	500	0,443	0,410	0,137	204	211
3x95/16	79,0	6900	500	0,320	0,389	0,150	244	255
3x120/16	83,0	7650	500	0,253	0,372	0,163	278	297
3x150/25	86,0	8350	500	0,206	0,360	0,174	312	334
3x185/25	90,0	9200	500	0,164	0,348	0,188	343	384
3x240/25	97,0	10700	250	0,125	0,331	0,209	398	454
3x300/25	102,0	12000	250	0,100	0,321	0,226	-	-
3x400/35	110,0	14060	250	0,0778	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