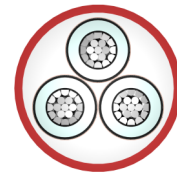
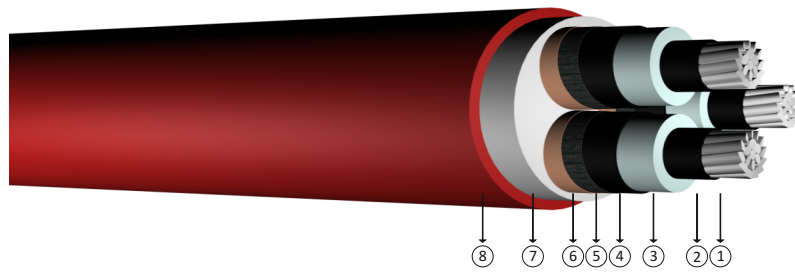


# 5.8/10 kV (6/10 kV) or 6.35/11 kV halogen free, flame retardant, XLPE insulated three core cables with aluminium conductor



**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 : 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 aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Filler
- 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	46,5	2450	1000	0,868	0,374	0,189	-	-
3x50/16	49,5	2800	1000	0,641	0,355	0,209	162	160
3x70/16	53,0	3300	1000	0,443	0,336	0,236	199	199
3x95/16	57,5	3900	1000	0,320	0,320	0,263	238	242
3x120/16	61,5	4450	1000	0,253	0,308	0,291	271	280
3x150/25	64,5	5050	500	0,206	0,299	0,314	304	318
3x185/25	68,5	5700	500	0,164	0,290	0,341	345	365
3x240/25	75,0	6900	500	0,125	0,278	0,387	401	431
3x300/25	80,0	8000	500	0,100	0,270	0,422	453	494
3x400/35	88,0	9750	500	0,0778	0,261	0,475	517	569

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