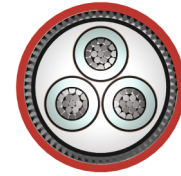
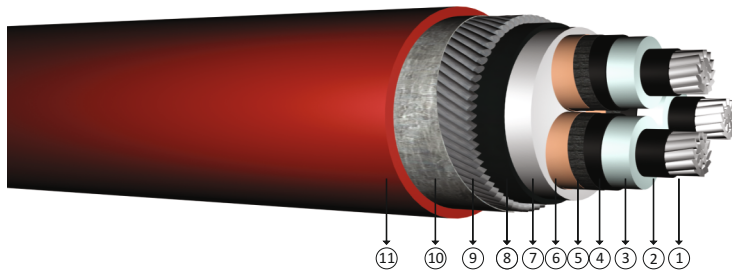


## 3.6/6 kV XLPE insulated round steel wire armoured, three core cables with aluminium conductor



**Code:** YAXC8VZ2V-R, NA2XSEYRY, AL/XLPE/CTS/PVC/SWA/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 : 3.6/6 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 aluminium conductor    ④ Outer semi conductive layer    ⑦ Filler    ⑩ Galvanized steel tape
- ② Inner semi conductive layer    ⑤ Semi conductive tape    ⑧ Inner sheath    ⑪ PVC outer jacket
- ③ XLPE insulation    ⑥ Copper screen    ⑨ Galvanized round steel wire

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	505	4500	1000	0,868	0,352	0,229	-	-
3x50/16	540	5000	1000	0,641	0,336	0,255	160	150
3x70/16	580	5700	1000	0,443	0,318	0,288	199	191
3x95/16	620	6600	500	0,320	0,303	0,324	238	236
3x120/16	665	7400	500	0,253	0,292	0,359	275	273
3x150/25	700	8100	500	0,206	0,284	0,388	307	313
3x185/25	740	9000	500	0,164	0,276	0,424	349	360
3x240/25	820	11500	250	0,125	0,267	0,469	410	426
3x300/25	890	13200	250	0,100	0,263	0,486	460	528
3x400/35	980	15600	250	0,0778	0,257	0,521	520	564

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