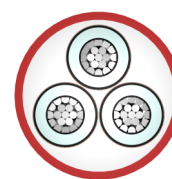
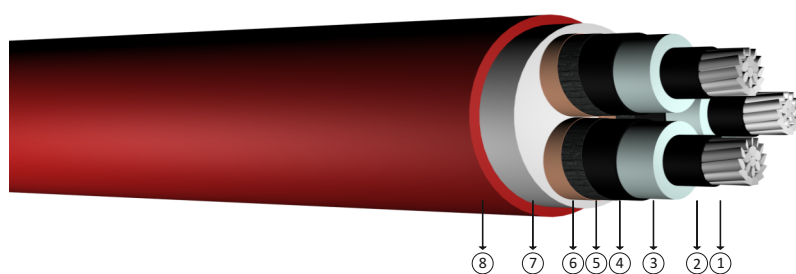


3.6/6 kV XLPE insulated three core cables with aluminium conductor



Code: YAXC8V-R, NA2XSEY, AL/XLPE/CTS/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
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Filler
- 8 PVC 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	42,0	2050	1000	0,868	0,352	0,229	-	-
3x50/16	45,0	2400	1000	0,641	0,336	0,255	160	150
3x70/16	48,5	2850	1000	0,443	0,318	0,288	199	191
3x95/16	53,0	3400	1000	0,320	0,303	0,324	238	236
3x120/16	57,0	4000	1000	0,253	0,292	0,359	275	273
3x150/25	60,5	4500	1000	0,206	0,284	0,388	307	313
3x185/25	64,5	5150	500	0,164	0,276	0,424	349	360
3x240/25	71,0	6300	500	0,125	0,267	0,469	410	426
3x300/25	77,5	7600	500	0,100	0,263	0,486	460	528
3x400/35	86,0	9400	500	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