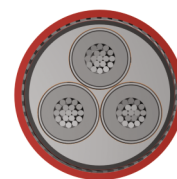
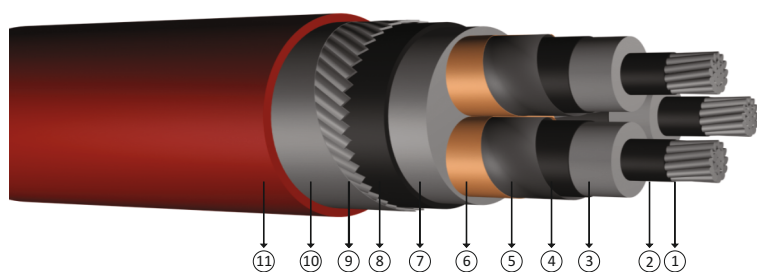




5.8/10 kV (6/10 kV) XLPE insulated flat steel wire armoured, three core cables with aluminium conductor



Code: YAXC8VZ3V-R, NA2XSEYFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276 - 620, BS 6622

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)
 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 Inner sheath
- 9 Galvanized flat steel wire
- 10 Galvanized steel tape
- 11 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
3x25/16	49,5	3450	1000	1,20	0,392	0,173	-	-
3x35/16	52,0	3800	1000	0,868	0,374	0,189	-	-
3x50/16	54,5	4250	1000	0,641	0,355	0,209	162	160
3x70/16	58,5	4900	1000	0,443	0,336	0,236	199	199
3x95/16	63,0	5916	500	0,320	0,320	0,263	238	242
3x120/16	67,0	6552	500	0,253	0,308	0,291	271	280
3x150/25	70,0	7238	500	0,206	0,299	0,314	304	318
3x185/25	74,0	8134	500	0,164	0,290	0,341	345	365
3x240/25	81,0	9350	500	0,125	0,278	0,387	401	431
3x300/25	81,4	10600	250	0,100	0,270	0,422	453	494
3x400/35	90,08	12650	250	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