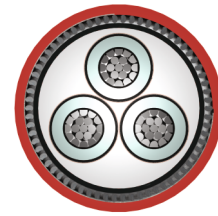
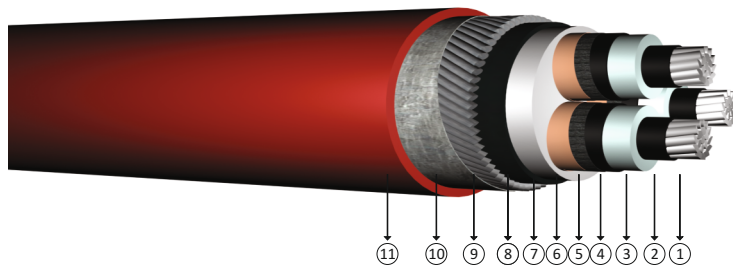


12/20 kV or 12.7/22 kV XLPE insulated round steel wire armoured, three core cables with aluminium conductor



Code: YAXC8VZ2V-R, NA2XSEYRY, AL/XLPE/CTS/PVC/SWA/PVC

R: Stranded Conductor Rigid

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

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 12/20 kV
 : 12.7/22 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 ²	mm	kg/km	m	ohm/km	mH/km	μF/km	In ground at 20 °C	In air at 30 °C
3x35/16	64,6	7040	500	0,868	0,397	0,160	-	-
3x50/16	67,1	7565	500	0,641	0,377	0,175	162	160
3x70/16	71,2	8420	500	0,443	0,356	0,196	199	199
3x95/16	76,8	10265	500	0,320	0,339	0,218	238	242
3x120/16	80,2	11101	500	0,253	0,325	0,240	271	280
3x150/25	84,0	12141	500	0,206	0,315	0,258	304	318
3x185/25	87,7	13190	250	0,164	0,305	0,280	345	365
3x240/25	93,5	14865	250	0,125	0,292	0,315	401	431
3x300/25	98,3	16452	250	0,100	0,284	0,343	453	494
3x400/35	106,2	19000	250	0,0778	0,273	0,385	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