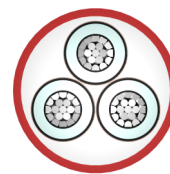
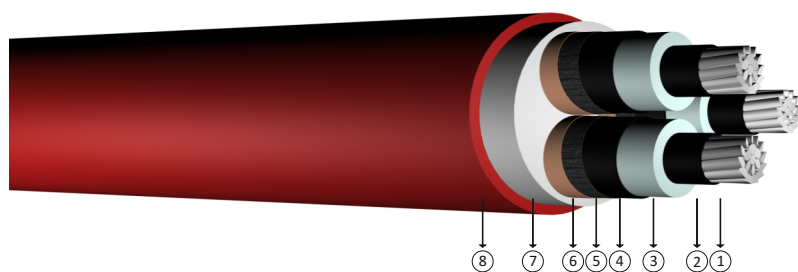


# 12/20 kV or 12.7/22 kV XLPE insulated three core cables with aluminium conductor



**Code:** YAXC8V-R, NA2XSEY, AL/XLPE/CTS/PVC

R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 2, VDE 0276-620, BS 7870-4.10

### 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
- 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 <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	56,5	3500	1000	0,868	0,416	0,141	-	-
3x50/16	59,5	3900	1000	0,641	0,395	0,155	168	171
3x70/16	63,0	4450	1000	0,443	0,373	0,172	207	211
3x95/16	67,0	5100	500	0,320	0,355	0,191	247	255
3x120/16	71,0	5750	500	0,253	0,340	0,209	282	297
3x150/25	74,0	6450	500	0,206	0,329	0,225	316	334
3x185/25	78,0	7200	500	0,164	0,319	0,243	359	384
3x240/25	85,0	8450	500	0,125	0,304	0,273	420	454
3x300/25	90,0	9650	500	0,100	0,295	0,296	476	513
3x400/35	98,0	11600	250	0,0778	0,284	0,331	552	593

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