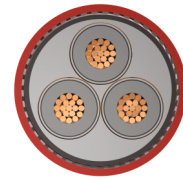
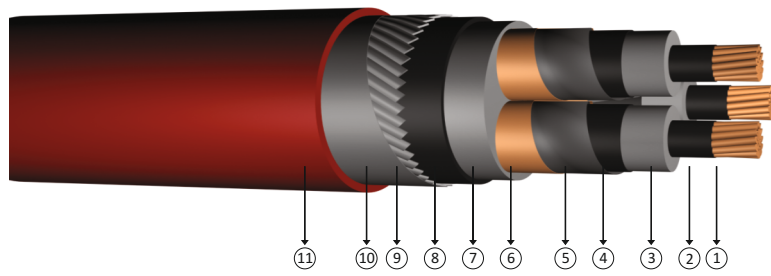


## 8.7/15 kV XLPE insulated round aluminium wire armoured, three core cables with copper conductor



**Code:** N2XSEYR(A)Y, CU/XLPE/CTS/PVC/AWA/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 : 8.7/15 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 copper conductors
- 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 Aluminium round wire
- 10 Polyester 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 <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	60,5	5750	500	0,524	0,397	0,160	178	173
3x50/16	64,0	7500	500	0,387	0,377	0,175	210	206
3x70/16	68,0	8800	500	0,268	0,356	0,196	256	257
3x95/16	72,0	10200	500	0,193	0,339	0,218	307	313
3x120/16	76,0	10200	500	0,153	0,325	0,240	349	360
3x150/25	81,0	12750	250	0,124	0,315	0,258	392	410
3x185/25	85,0	14500	250	0,0991	0,305	0,280	443	469
3x240/25	92,0	17150	250	0,0754	0,292	0,315	513	553
3x300/25	97,0	19750	250	0,0601	0,284	0,343	576	635
3x400/35	105,0	24000	200	0,0470	0,273	0,385	650	731

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