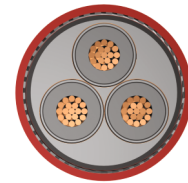
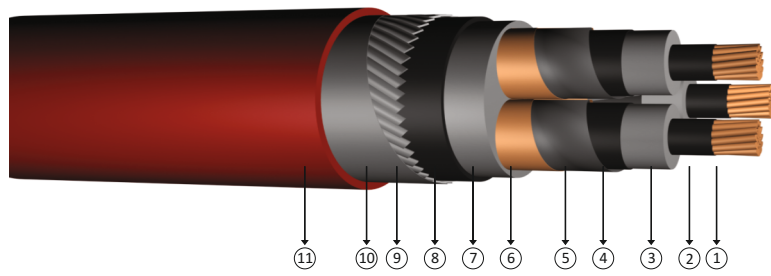


## 20.3/35 kV or 20.8/36 kV XLPE insulated round steel wire armoured, three core cables with copper conductor



**Code:** YXC8VZ2V-R, N2XSEYRY, CU/XLPE/CTS/PVC/SWA/PVC

R: Stranded Conductor Rigid

**Standards:** HD 620 S2, TSEK

### Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 20.3/35 kV 20.8/36 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** Galvanized round steel 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	83,5	13000	500	0,524	0,457	0,114	183	176
3x50/16	86,0	12900	250	0,387	0,434	0,124	216	210
3x70/16	90,0	14000	250	0,268	0,410	0,137	264	262
3x95/16	94,0	16000	250	0,193	0,389	0,150	316	319
3x120/16	97,5	17800	250	0,153	0,372	0,163	360	364
3x150/25	101,0	19400	250	0,124	0,360	0,174	404	418
3x185/25	105,0	21400	250	0,0991	0,348	0,188	457	478
3x240/25	111,0	24400	200	0,0754	0,331	0,209	532	562

Note  
In ground : Current carrying capacities are valid under the following conditions;  
: 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