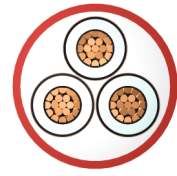
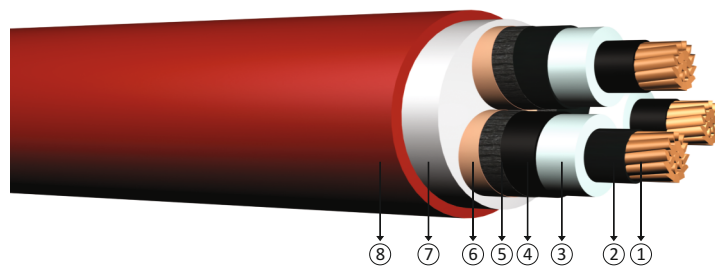


## 12/20 kV or 12.7/22 kV XLPE insulated, three core cables with copper conductor



**Code:** YXC8V-R, N2XSEY, CU/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 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 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	4150	1000	0,5240	0,416	0,141	183	182
3x50/16	59,5	4850	1000	0,3870	0,395	0,155	216	217
3x70/16	63,0	5800	500	0,2680	0,373	0,172	264	269
3x95/16	67,0	6900	500	0,1930	0,355	0,191	316	326
3x120/16	71,0	8000	500	0,1530	0,340	0,209	360	377
3x150/25	74,5	9250	500	0,1240	0,329	0,225	404	426
3x185/25	78,5	10650	250	0,0991	0,319	0,243	457	488
3x240/25	85,0	13000	250	0,0754	0,304	0,273	532	576
3x300/25	90,0	15250	250	0,0601	0,295	0,296	599	654
3x400/35	98,0	19100	250	0,0470	0,284	0,331	685	750

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