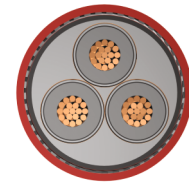
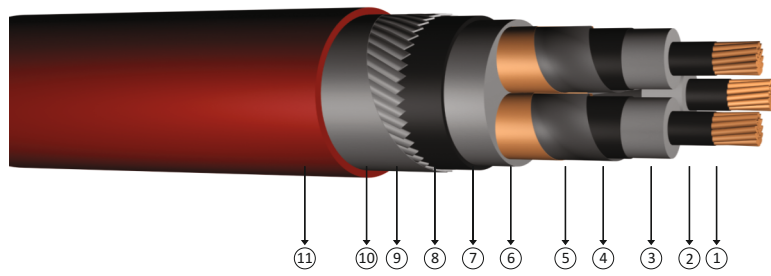


## 5.8/10 kV (6/10 kV) XLPE insulated flat steel wire armoured, three core cables with copper conductor



Code: YXC8VZ3V-R, N2XSEYFGY

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	: 5.8/10 kV (6/10 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 flat steel wire
- 10 Galvanized steel 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	52,0	4450	1000	0,524	0,374	0,189	178	217
3x50/16	54,5	5200	500	0,387	0,355	0,209	210	269
3x70/16	58,5	6200	500	0,268	0,336	0,236	256	326
3x95/16	63,0	7400	500	0,193	0,320	0,263	307	377
3x120/16	67,0	8600	500	0,153	0,308	0,291	349	426
3x150/25	70,5	9850	500	0,124	0,299	0,314	392	488
3x185/25	74,5	11350	250	0,0991	0,290	0,341	443	576
3x240/25	81,5	13850	250	0,0754	0,278	0,387	513	-
3x300/25	87,0	16250	250	0,0601	0,270	0,422	576	-
3x400/35	94,5	20150	250	0,0470	0,261	0,475	650	-

Note  
 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

: 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  
 : 30 °C, load factor 1.0  
 : 1