

**// Application**

These are cables with low dielectric losses used in energy networks with sudden load changes where mechanical stresses are expected. Laid in residential or industrial areas, underground or in ducts.

**// Construction**

1. Stranded copper conductor.
2. Inner semi-conductive layer.
3. XLPE insulation.
4. Outer semi-conductive layer.
5. Semi-conductive tape.
6. Copper tape screen.
7. Filler.
8. PVC inner jacket.
9. Galvanized round steel wire armoring.
10. Galvanized steel tape.
11. PVC outer jacket.

**// Cable Summary**

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 3.6/6 kV
Min. bending radius	: 15 x D

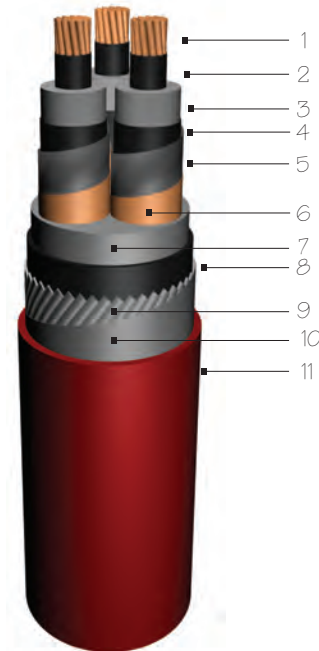
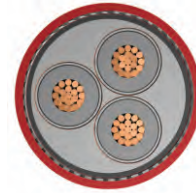
D = Cable outer diameter

**// Standards**

IEC 60502 | BS 6622 | VDE 0276

**// Code**

YXC8VZ3V-R | N2XSEYFGY  
R: Stranded Conductor Rigid



**Electrical Properties**

DC Conductor Resistance @ 20 °C	Operation Inductance (approx.)	Operation Capacitance (approx.)	Current Carrying Capacity	
			in Ground @ 20 °C	in Air @ 30 °C
ohm/km	mH/km	µF/km		
0.7270	0.370	0.208	149	141
0.5240	0.352	0.229	176	171
0.3870	0.336	0.255	208	196
0.2680	0.318	0.288	255	249
0.1930	0.303	0.324	307	307
0.1530	0.292	0.359	353	353
0.1240	0.284	0.388	396	406
0.0991	0.276	0.424	447	464
0.0754	0.267	0.469	523	548
0.0601	0.263	0.486	581	632
0.0470	0.257	0.521	653	726

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
3x25/16	48.0	3850	1000
3x35/16	50.5	4400	1000
3x50/16	54.0	5200	500
3x70/16	58.0	6200	500
3x95/16	62.0	7400	500
3x120/16	66.5	8650	500
3x150/25	70.0	9900	500
3x185/25	74.0	11400	250
3x240/25	82.0	15100	250
3x300/25	89.0	17950	250
3x400/35	98.0	22200	250



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

