

**// 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	: 8.7/15 kV
Min. bending radius	: 15 x D

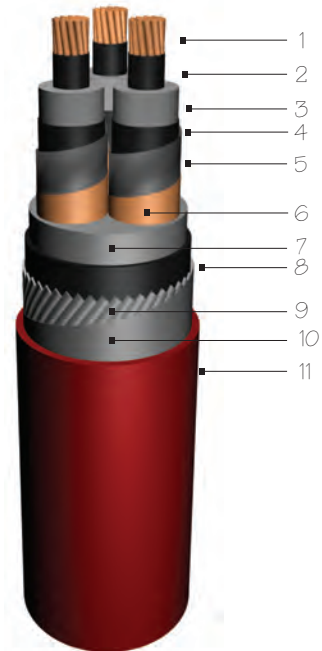
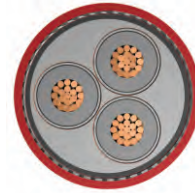
D = Cable outer diameter

**// 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	0.417	0.146	148	143
0.5240	0.397	0.160	178	173
0.3870	0.377	0.175	210	206
0.2680	0.356	0.196	256	257
0.1930	0.339	0.218	307	313
0.1530	0.325	0.240	349	360
0.1240	0.315	0.258	392	410
0.0991	0.305	0.280	443	469
0.0754	0.292	0.315	513	553
0.0601	0.284	0.343	576	635
0.0470	0.273	0.385	650	731

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
3x25/16	53.0	5250	500
3x35/16	55.5	5850	500
3x50/16	58.5	6650	500
3x70/16	62.5	7750	500
3x95/16	67.0	9100	500
3x120/16	71.0	10400	250
3x150/25	74.0	11700	250
3x185/25	79.0	14200	250
3x240/25	76.0	16950	250
3x300/25	92.0	19500	250
3x400/35	100.0	23850	250



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

