

**// 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 flat 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	: 18/30 kV
Min. bending radius	: 15 x D

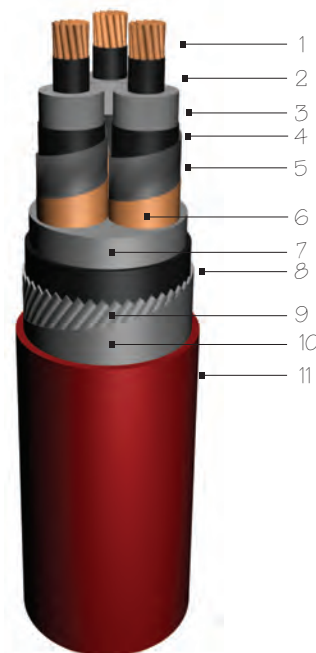
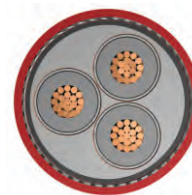
D = Cable outer diameter

**// Standards**

IEC 60502 | 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		
-	-	-	-	-
0.5240	0.457	0.114	-	-
0.3870	0.434	0.124	214	217
0.2680	0.410	0.137	261	269
0.1930	0.389	0.150	313	326
0.1530	0.372	0.163	356	377
0.1240	0.360	0.174	400	426
0.0991	0.348	0.188	441	488
0.0754	0.331	0.209	510	576
0.0601	0.321	0.226	604	651
0.0470	0.307	0.251	-	-

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
-	-	-	-
3x35/16	74.5	7850	500
3x50/16	78.0	8750	500
3x70/16	81.5	9950	500
3x95/16	85.5	11250	250
3x120/16	89.5	12600	250
3x150/25	93.0	14000	250
3x185/25	97.0	15700	250
3x240/25	104.0	18500	250
3x300/25	109.5	21150	200
3x400/35	117.5	25350	200



Laying / Installation method:

Linear | ○○○  
Triangular | ○○○

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