

// 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 double steel tape.
10. PVC outer jacket.

// Cable Summary

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 18/30 kV or 19/33 kV
Min. bending radius	: 15 x D

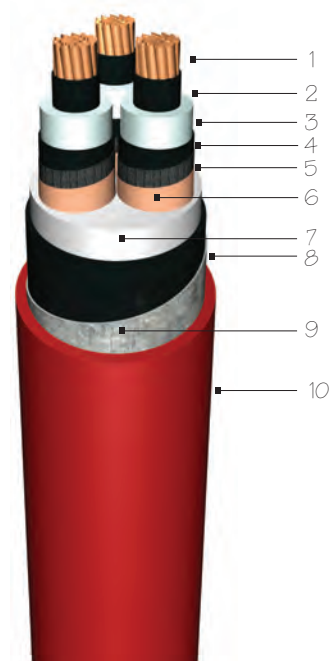
D = Cable outer diameter

// Standards

YXC8VZ4V-R | N2XSEYBY | CU/XLPE/CTS/PVC/STA/PVC

// 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	-	-
0.0470	0.307	0.251	-	-

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
-	-	-	-
3x35/16	74.5	7150	500
3x50/16	77.5	8050	500
3x70/16	81.5	9150	500
3x95/16	86.5	11050	250
3x120/16	91.0	12400	250
3x150/25	94.0	13800	250
3x185/25	98.0	15450	250
3x240/25	105.5	18250	250
3x300/25	110.5	20850	200
3x400/35	118.5	25100	200



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

1st ISSUE

