

// 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	: 12/20 kV or 12.7/22 kV
Min. bending radius	: 15 x D

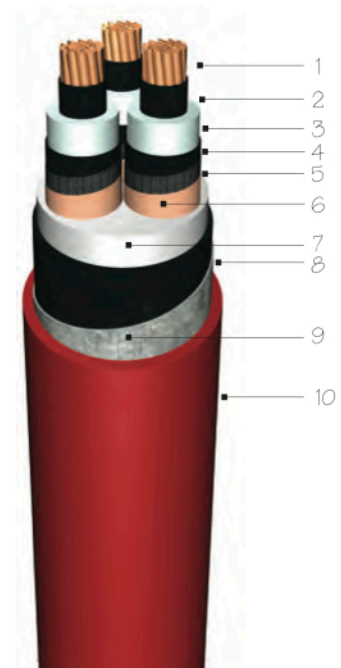
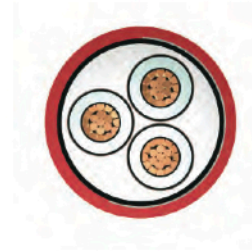
D = Cable outer diameter

// 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	0.416	0.141	183	182
0.3870	0.395	0.155	216	217
0.2680	0.373	0.172	264	269
0.1930	0.355	0.191	316	326
0.1530	0.340	0.290	360	377
0.1240	0.329	0.225	404	426
0.0991	0.319	0.243	457	488
0.0754	0.304	0.273	532	576
0.0601	0.295	0.296	599	654
0.0470	0.284	0.331	685	750

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
-	-	-	-
3x35/16	62.0	5350	500
3x50/16	65.0	6100	500
3x70/16	69.0	7100	500
3x95/16	73.0	8300	500
3x120/16	77.0	9500	500
3x150/25	81.0	10900	250
3x185/25	86.0	13000	250
3x240/25	92.5	15550	250
3x300/25	98.0	18000	250
3x400/35	106.5	22200	200



Laying / Installation method:

Linear |

Triangular |

