

**// 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	: 20.8/36 kV
Min. bending radius	: 15 x D

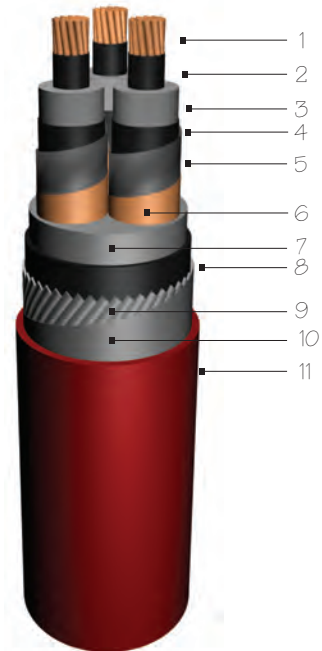
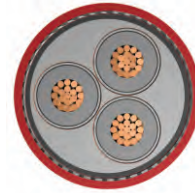
D = Cable outer diameter

**// 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	0.471	0.107	-	-
0.3870	0.448	0.116	214	217
0.2680	0.423	0.127	261	269
0.1930	0.401	0.140	313	326
0.1530	0.384	0.152	356	377
0.1240	0.372	0.161	400	426
0.0991	0.359	0.173	441	488
0.0754	0.341	0.193	510	576
0.0601	0.330	0.208	-	-
0.0470	0.316	0.231	-	-

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
-	-	-	-
3x35/16	80.0	8750	500
3x50/16	82.5	9600	500
3x70/16	86.5	10800	250
3x95/16	90.5	12200	250
3x120/16	94.5	13600	250
3x150/25	98.0	15000	250
3x185/25	102.5	16800	250
3x240/25	109.5	19600	250
3x300/25	114.5	22250	200
3x400/35	122.0	26600	200



Laying / Installation method:

Linear | ○○○  
Triangular | ○○○

