

// 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	: 3.6/6 kV
Min. bending radius	: 15 x D

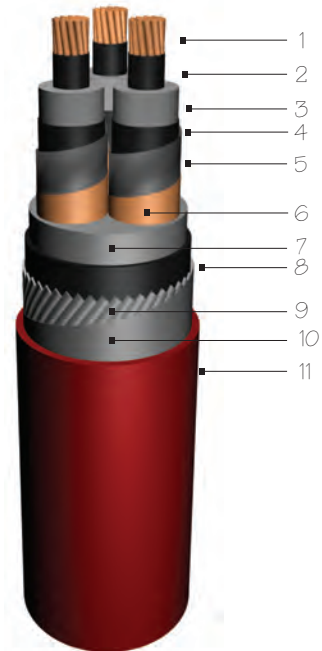
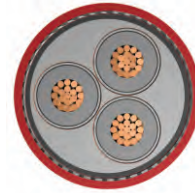
D = Cable outer diameter

// 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		
0.7270	0.370	0.208	149	141
0.5240	0.352	0.229	176	171
0.3870	0.336	0.255	208	196
0.2680	0.318	0.288	255	249
0.1930	0.303	0.324	307	307
0.1530	0.292	0.359	353	353
0.1240	0.284	0.388	396	406
0.0991	0.276	0.424	447	464
0.0754	0.267	0.469	523	548
0.0601	0.263	0.486	581	632
0.0470	0.257	0.521	653	726

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
3x25/16	44.5	3400	1000
3x35/16	47.0	3950	1000
3x50/16	50.5	4700	1000
3x70/16	54.5	5650	500
3x95/16	58.5	6750	500
3x120/16	63.0	8000	500
3x150/25	66.0	9200	500
3x185/25	70.0	10650	250
3x240/25	77.5	13100	250
3x300/25	84.0	15700	250
3x400/35	93.0	19750	250



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

