

// 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 round 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 or 19/33 kV
Min. bending radius	: 15 x D

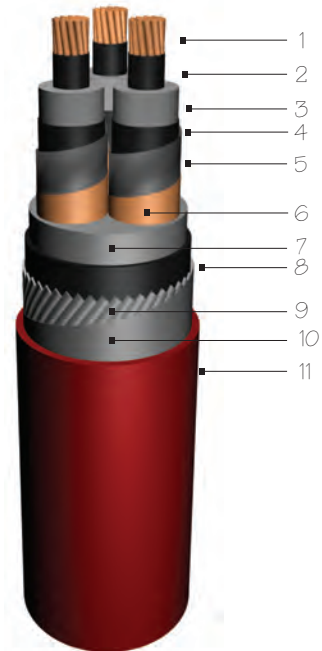
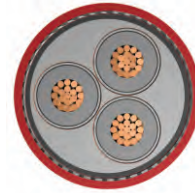
D = Cable outer diameter

// Standards

IEC 60502 | BS 6622 | 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	183	182
0.3870	0.434	0.124	216	217
0.2680	0.410	0.137	264	269
0.1930	0.389	0.150	316	326
0.1530	0.372	0.163	360	377
0.1240	0.360	0.174	404	426
0.0991	0.348	0.188	457	488
0.0754	0.331	0.209	532	576
0.0601	0.321	0.226	599	651
0.0470	0.307	0.251	685	750

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
-	-	-	-
3x35/16	79.0	9750	500
3x50/16	82.5	10750	250
3x70/16	86.5	12000	250
3x95/16	90.5	13500	250
3x120/16	95.0	14950	250
3x150/25	98.0	16400	250
3x185/25	102.0	18200	250
3x240/25	109.5	21250	200
3x300/25	114.5	24000	200
3x400/35	122.5	28500	150



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

