

**// Application**

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts where mechanical stresses are expected.

**// Construction**

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

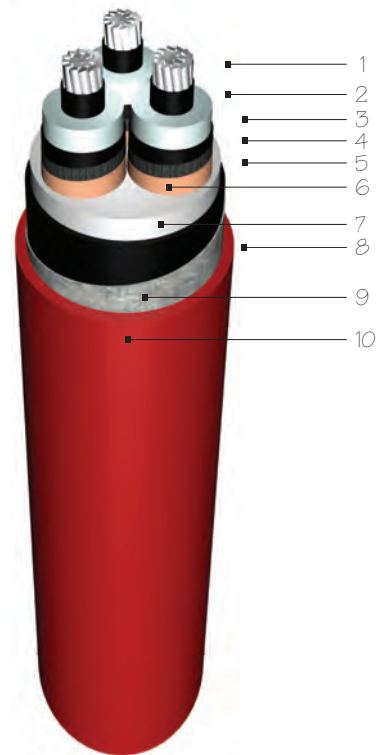
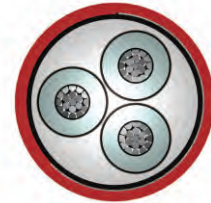
D = Cable outer diameter

**// Standards**

IEC6502 | BS 6622 | VDE 0276

**// Code**

YXC8VZ4V-R | NAØXSEYBY |  
ALXLPE/CTS/PVC/STA/PVC  
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		
1.2000	0.370	0.208	-	-
0.8680	0.352	0.229	-	-
0.6410	0.336	0.255	160	150
0.4430	0.318	0.288	199	191
0.3200	0.303	0.324	238	236
0.2530	0.292	0.359	275	273
0.2060	0.284	0.388	307	313
0.1640	0.276	0.424	349	360
0.1250	0.267	0.469	410	426
0.1000	0.263	0.486	460	528
0.0788	0.257	0.521	520	564

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
3x25/16	44.5	2550	1000
3x35/16	47.0	2850	1000
3x50/16	50.0	3300	1000
3x70/16	54.0	3800	1000
3x95/16	58.0	4450	1000
3x120/16	62.5	5100	500
3x150/25	66.0	5750	500
3x185/25	70.0	6500	500
3x240/25	77.0	7850	500
3x300/25	83.5	9250	500
3x400/35	94.0	12000	250



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

