

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

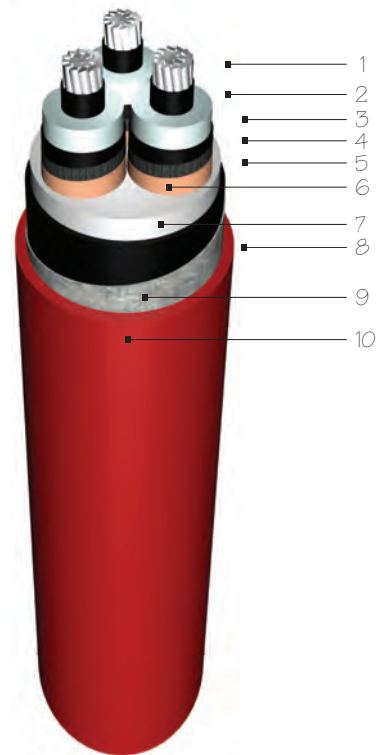
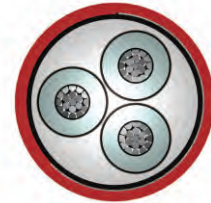
D = Cable outer diameter

**// 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		
-	-	-	-	-
0.8680	0.471	0.107	-	-
0.6410	0.448	0.116	166	164
0.4430	0.423	0.127	204	204
0.3200	0.401	0.140	244	248
0.2530	0.384	0.152	278	284
0.2060	0.372	0.161	312	326
0.1640	0.359	0.173	343	374
0.1250	0.341	0.193	398	440
0.1000	0.330	0.207	476	513
0.0788	0.316	0.231	552	593

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
-	-	-	-
3x35/16	62.0	4650	500
3x50/16	65.0	5150	500
3x70/16	69.0	5800	500
3x95/16	73.0	6500	500
3x120/16	77.0	7250	500
3x150/25	81.0	8000	500
3x185/25	86.0	9500	500
3x240/25	92.0	11000	250
3x300/25	98.0	12350	250
3x400/35	106.0	14650	250



Laying / Installation method:

Linear | ○○○  
Triangular | ○○○

1st ISSUE

