

// 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 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	: 5.8/10 kV
Min. bending radius	: 15 x D

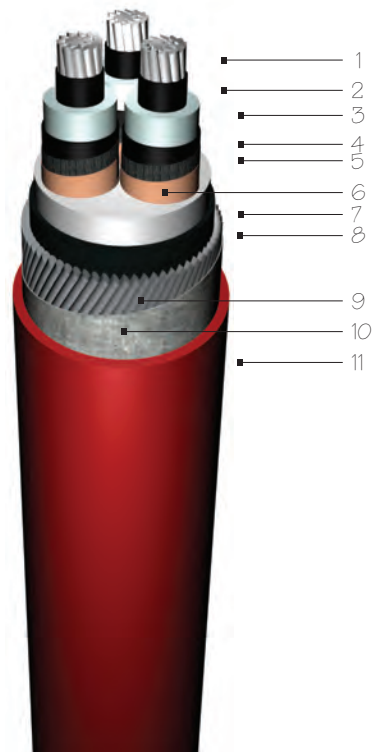
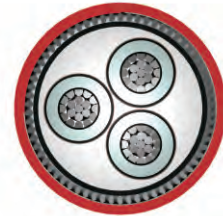
D = Cable outer diameter

// Standards

IEC6502 | BS 6622 | VDE 0276

// Code

YAXC8VZ2V-R | NAXSEYRGY
AL/XLPE/CTS/PVC/SWA/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	0.392	0.173	-	-
0.8680	0.374	0.189	-	-
0.6410	0.355	0.209	162	160
0.4430	0.336	0.236	199	199
0.3200	0.320	0.263	238	242
0.2530	0.308	0.291	271	280
0.2060	0.299	0.314	304	318
0.1640	0.290	0.341	345	365
0.1250	0.278	0.387	401	431
0.1000	0.270	0.422	453	494
0.0788	0.261	0.475	517	569

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
3x25/16	53.0	4750	1000
3x35/16	55.5	5200	1000
3x50/16	58.5	5700	1000
3x70/16	62.5	6450	1000
3x95/16	67.0	7300	500
3x120/16	71.0	8150	500
3x150/25	74.0	8900	500
3x185/25	79.0	10700	500
3x240/25	86.0	12450	500
3x300/25	92.0	13900	250
3x400/35	100.0	16300	250



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○

