

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

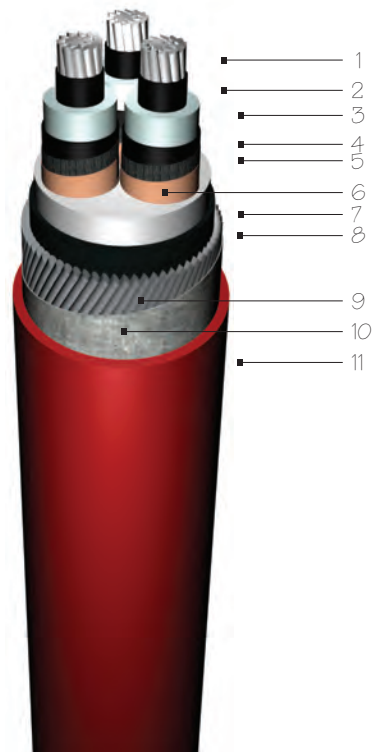
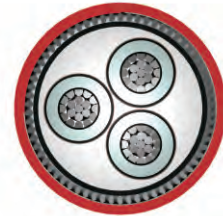
D = Cable outer diameter

// 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	0.370	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 ²	mm	kg/km	m
3x25/16	48.0	3400	1000
3x35/16	50.5	3750	1000
3x50/16	54.0	4250	1000
3x70/16	58.0	4900	1000
3x95/16	62.0	5600	500
3x120/16	66.5	6400	500
3x150/25	70.0	7100	500
3x185/25	74.0	7900	500
3x240/25	82.0	10600	250
3x300/25	89.0	12300	250
3x400/35	98.0	14700	250



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

