

// 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	: 12/20 kV or 12.7/12 kV
Min. bending radius	: 15 x D

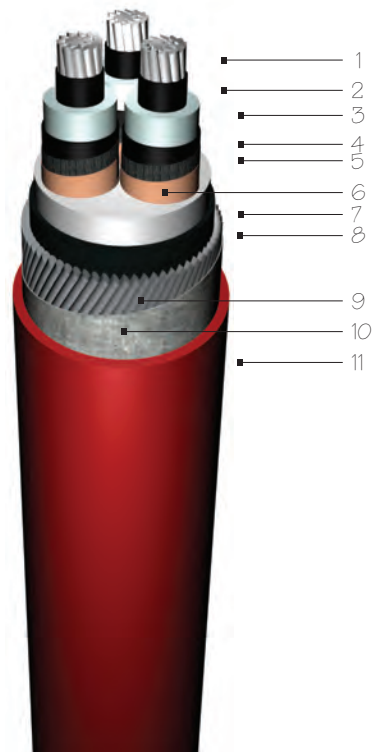
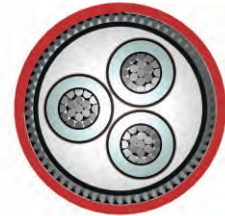
D = Cable outer diameter

// 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		
-	-	-	-	-
0.8680	0.416	0.141	-	-
0.6410	0.395	0.155	168	171
0.4430	0.373	0.172	207	211
0.3200	0.355	0.191	247	255
0.2530	0.340	0.209	282	297
0.2060	0.329	0.255	316	334
0.1640	0.319	0.243	359	384
0.1250	0.304	0.273	420	454
0.1000	0.295	0.296	476	513
0.0788	0.284	0.331	552	593

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
-	-	-	-
3x35/16	66.0	5900	500
3x50/16	69.0	6450	500
3x70/16	72.0	7150	500
3x95/16	78.0	9150	500
3x120/16	82.0	1000	500
3x150/25	86.0	11000	250
3x185/25	90.0	12000	250
3x240/25	96.0	13750	250
3x300/25	102.0	15200	250
3x400/35	110.0	17800	250



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

