

// 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	: 18/30 kV or 19/33 kV
Min. bending radius	: 15 x D

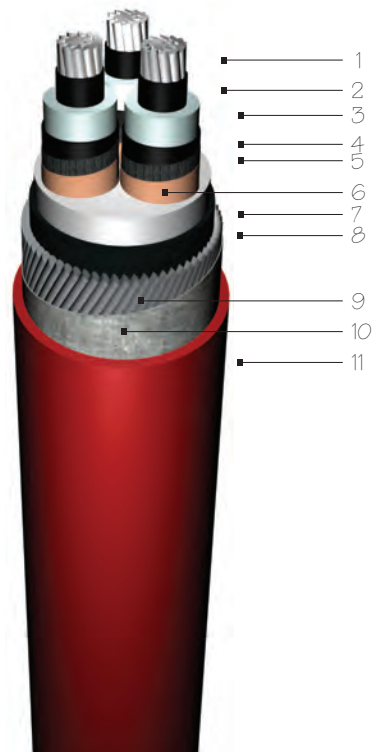
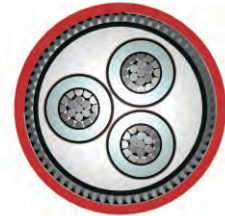
D = Cable outer diameter

// 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	0.457	0.114	-	-
0.6410	0.434	0.124	166	164
0.4430	0.410	0.137	204	204
0.3200	0.389	0.150	244	248
0.2530	0.372	0.163	278	284
0.2060	0.360	0.174	312	326
0.1640	0.348	0.188	343	374
0.1250	0.331	0.209	398	440
0.1000	0.321	0.226	-	-
0.0788	0.307	0.251	-	-

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm ²	mm	kg/km	m
-	-	-	-
3x35/16	79.0	9150	500
3x50/16	82.0	9850	500
3x70/16	86.0	10750	250
3x95/16	90.0	11800	250
3x120/16	95.0	12800	250
3x150/25	98.0	13650	250
3x185/25	102.0	14800	250
3x240/25	109.0	16800	250
3x300/25	114.0	18500	250
3x400/35	122.0	21000	250



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

1st ISSUE

