

**// 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 flat 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

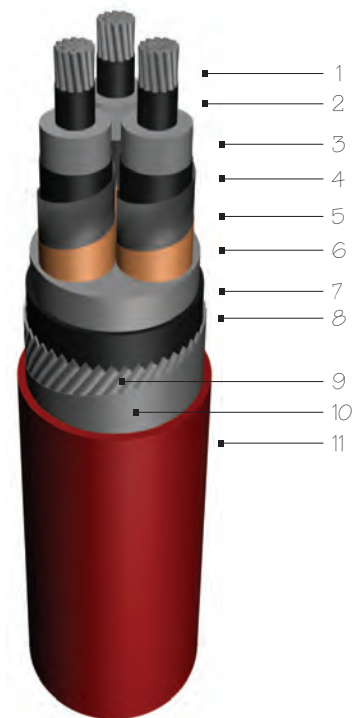
D = Cable outer diameter

**// Standards**

IEC 60502 | VDE 0276

**// Code**

YAXC8VZ3V-R | NAXSEYFGY  
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	596

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
3x25/16	49.5	3450	1000
3x35/16	52.0	3800	1000
3x50/16	54.0	4250	1000
3x70/16	58.5	4900	1000
3x95/16	63.0	5650	500
3x120/16	67.0	6350	500
3x150/25	70.0	7050	500
3x185/25	74.0	7850	250
3x240/25	81.0	9350	250
3x300/25	87.0	10600	250
3x400/35	94.0	12650	250



Laying / Installation method:

Linear | ○○○  
Triangular | ○○○

