m-VOLT®

Technical
Data Sheet

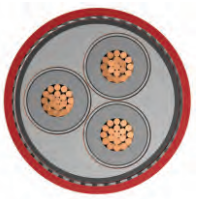
Medium Voltage

8.7/15 kV XLPE

Insulated | Flat Steel Wire Armor | 3 Core | Copper Conductor

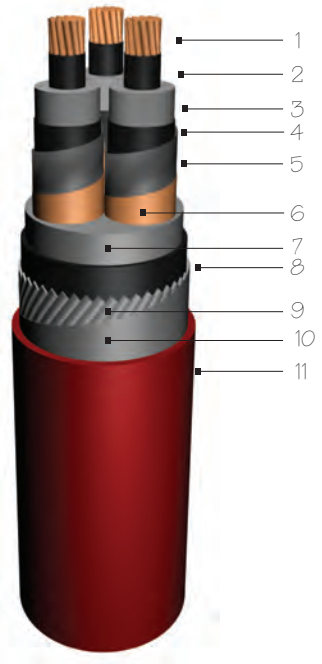
// Application

These are cables with low dielectric losses used in energy networks with sudden load changes where mechanical stresses are expected. Laid in residential or industrial areas, underground or in ducts.



// Construction

1. Stranded copper 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	: 8.7/15 kV
Min. bending radius	: 15 x D

D = Cable outer diameter

// Standards

IEC 60502 | VDE 0276

// Code

YXC8VZ3V-R | N2XSEYFGY
R: Stranded Conductor Rigid

4621 Ponce de Leon Boulevard
Coral Gables, FL 33146, USA
[1] 305.666.7474
[1] 305.666.7272 fax
cable@4SProducts.com e-mail

m-VOLT®

Technical Data Sheet

Medium Voltage

8.7/15 kV XLPE

Insulated | Flat Steel Wire Armor | 3 Core | Copper Conductor

Electrical Properties

DC Conductor Resistance @ 20 °C	Operation Inductance (approx.)	Operation Capacitance (approx.)	Current Carrying Capacity	
ohm/km	mH/km	µF/km	in Ground @ 20 °C	in Air @ 30 °C
0.7270	0.417	0.146	148	143
0.5240	0.397	0.160	178	173
0.3870	0.377	0.175	210	206
0.2680	0.356	0.196	256	257
0.1930	0.339	0.218	307	313
0.1530	0.325	0.240	349	360
0.1240	0.315	0.258	392	410
0.0991	0.305	0.280	443	469
0.0754	0.292	0.315	513	553
0.0601	0.284	0.343	576	635
0.0470	0.273	0.385	650	731

Dimensions & Weights

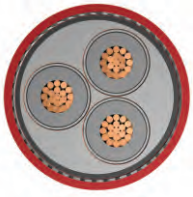
Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm^2	mm	kg/km	m
3x25/16	54.5	4600	1000
3x35/16	57.0	5150	500
3x50/16	60.5	6000	500
3x70/16	64.5	7000	500
3x95/16	68.5	8250	500
3x120/16	72.5	9450	500
3x150/25	76.0	10750	250
3x185/25	80.0	12350	250
3x240/25	87.0	14800	250
3x300/25	92.0	17250	250
3x400/35	100.0	21300	250

4S products

Laying / Installation method:

Linear | ○○○

Triangular |



1st ISSUE