L-VOLT®

Technical
Data Sheet

Low Voltage

0.6/1 kV PVC Insulated

Multi-Core | Copper Conductor

// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. PVC outer jacket.

// Cable Summary

Max. operating temperature	: 70°C
Max. short circuit temperature	:160°C (max. 5 sec.)
Rated voltage	: 0.6/1 kV
Min. bending radius	: 12 x D

D = Cable outer diameter

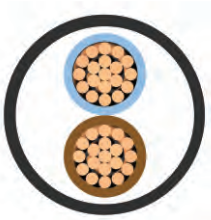
// Standards

IEC 60502 | VDE 0276

// Code

YW-U | YW-R | CU/PVC/PVC | NYY

U: Solid Conductor
R: Stranded conductor



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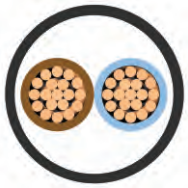
Electrical Properties				
DC Conductor Resistance @ 20 °C	Current Carrying Capacity			
ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air ○○○ @ 30 °C	in Air @ 30 °C
12.1000	32	-	-	20
7.4100	42	-	-	27
4.6100	54	-	-	37
3.0800	68	-	-	48
1.8300	90	-	-	66
1.1500	116	-	-	89
0.7270	150	-	-	118
0.5240	181	-	-	145
0.3870	215	-	-	176
0.2680	264	-	-	224
0.1930	317	-	-	271
0.1530	360	-	-	314
0.1240	406	-	-	361
0.0991	458	-	-	412
0.0754	537	-	-	484
0.0601	604	-	-	556
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Dimensions & Weights			
Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm^2	mm	kg/km	m
2x1.5	11.2	180	1000
2x2.5	12.0	215	1000
2x4	14.0	300	1000
2x6	15.0	350	1000
2x10	17.5	500	1000
2x16	19.5	675	1000
2x25	22.5	1000	1000
2x35	24.5	1250	1000
2x50	27.5	1650	1000
2x70	31.0	2200	1000
2x95	35.5	2950	1000
2x120	39.0	3650	1000
2x150	43.0	4450	1000
2x185	48.0	5550	500
2x240	54.0	7150	500
2x300	61.5	9000	500
-	-	-	-
-	-	-	-
-	-	-	-



Laying / Installation method:

Linear | ○○○

Triangular |