L-VOLT®

Technical Data Sheet

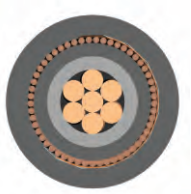
Low Voltage

0.6/1 kV PVC Insulated

Concentric Conductor Screen | Single Core | Copper Conductor

// Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary.
In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.



// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. PVC inner sheath.
4. Concentric screen.
5. Copper tape as binder.
6. Polyester tape.
7. PVC outer sheath.

// 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	: 15 x D

D = Cable outer diameter

// Standards

IEC 60502 | VDE 0276

// Code

YVCV-U| YVCV-R | CU/PVC/SC /PVC | NYCY

U: Solid Conductor
R: Stranded conductor

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Control Cable | Round Steel Wire Armor | Copper Conductor | 2.5 mm

Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
ohm/km	in Ground @ 20 °C ⁂	in Air ⁂ @ 20 °C	in Ground @ 30 °C ⁂	in Air ⁂ @ 30 °C	mm²	mm	kg/km	m
12.100	-	-	25	20	1x1.5/1.5	10.5	120	1000
7.4100	-	-	34	27	1x2.5/2.5	11.0	150	1000
4.6100	-	-	45	37	1x4/4	12.0	200	1000
3.0800	-	-	57	48	1x6/6	12.5	250	1000
1.8300	-	-	78	66	1x10/10	13.5	350	1000
1.1500	127	107	103	89	1x16/16	15.0	450	1000
0.7270	163	137	137	118	1x25/16	16.5	600	1000
0.5240	195	165	169	145	1x35/16	17.5	700	1000
0.3870	230	195	206	176	1x50/25	19.0	950	1000
0.2680	282	239	261	224	1x70/35	21.0	1250	1000
0.1930	336	287	321	271	1x95/50	23.5	1650	1000
0.1530	382	326	374	314	1x120/70	25.5	2100	1000
0.1240	428	366	428	261	1x150/70	27.0	2400	1000
0.0991	483	414	494	412	1x185/95	30.0	3000	1000
0.0754	561	481	590	484	1x240/120	33.5	3850	1000
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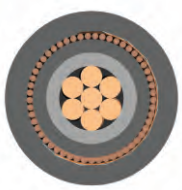
4S products

Laying / Installation method:

Linear | ○○○

Triangular | ⁂



1st ISSUE