L-VOLT®

Technical
Data Sheet

Low Voltage

0.6/1 kV PVC Insulated

Control Cable | Round Steel Wire Armor | Copper Conductor | 1.5 mm

// Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations , local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized round steel wires.
5. Polyester tape.
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 0271 | BS 6346

// Code

YVZ2V-U | YVZ2V-U | CU/PVC/SWA/PVC | NYRY

U: Solid Conductor
R: Stranded conductor

4S products

www.4SProducts.com

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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 Duct ⁂ @ 20 °C	in Air ○○○ @ 30 °C	in Air ⁂ @ 30 °C	mm²	mm	kg/km	m
12.100	18.2	-	-	14.0	5x1.5	15.5	460	1000
12.100	16.9	-	-	13.0	6x1.5	16.5	520	1000
12.100	15.6	-	-	12.0	7x1.5	16.5	530	1000
12.100	14.3	-	-	11.1	8x1.5	18.5	740	1000
12.100	13.0	-	-	10.2	10x1.5	20.5	870	1000
12.100	12.3	-	-	9.7	12x1.5	21.0	920	1000
12.100	11.7	-	-	9.3	14x1.5	21.5	1000	1000
12.100	11.1	-	-	8.8	16x1.5	22.5	1100	1000
12.100	10.4	-	-	8.3	19x1.5	24.0	1300	1000
12.100	9.9	-	-	8.0	21x1.5	25.0	1400	1000
12.100	9.1	-	-	7.4	24x1.5	27.0	1600	1000
12.100	8.8	-	-	7.2	27x1.5	27.5	1700	1000
12.100	8.6	-	-	7.0	30x1.5	28.0	1800	1000
12.100	8.1	-	-	6.7	37x1.5	30.0	2050	1000
12.100	7.8	-	-	6.5	40x1.5	31.0	2150	1000
12.100	7.3	-	-	6.1	48x1.5	34.5	2750	1000
12.100	6.7	-	-	5.8	52x1.5	36.0	2950	1000
12.100	6.5	-	-	5.6	61x1.5	37.5	3250	1000
-	-	-	-	-	-	-	-	-

Laying / Installation method:

Linear | ○○○

Triangular | ⁂

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