L-VOLT®

Technical Data Sheet

Low Voltage

0.6/1 kV PVC Insulated

Multi-Core | Double Steel Tape Armor | Copper Conductor

// Application

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 double steel tape armor.
5. PVC outer sheath.

// Cable Summary

Max. operating temperature	: 70°C
Max. short circuit temperature	:
Cross section <300 mm	: 160°C (max. 5 sec.)
Cross section >300 mm	: 140°C (max. 5 sec.)
Rated voltage	: 0.6/1 kV
Min. bending radius	: 12 x D

D: Cable outer diameter

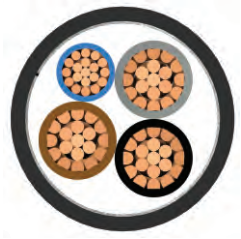
// Standards

IEC 60502 | VDE 0271

// Code

YVZ4V-U | YVZ4V-R | CU/PVC/STA/PVC | NYBY

U: Solid Conductor
R: Stranded conductor



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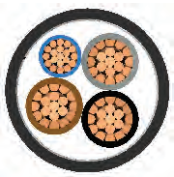
Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
ohm/km	in Ground @ 20 °C ⁂	in Air ⁂ @ 20 °C	in Ground @ 30 °C ⁂	in Air ⁂ @ 30 °C	mm²	mm	kg/km	m
12.1000	26	-	-	18.5	4x1.5	14.0	360	1000
7.4100	34	-	-	25	4x2.5	15.0	440	1000
4.6100	44	-	-	34	4x4	17.0	580	1000
3.0800	56	-	-	43	4x6	18.0	700	1000
1.8300	75	-	-	60	4x10	21.0	980	1000
1.1500	98	-	-	80	4x16	23.5	1300	1000
0.7270	128	-	-	106	4x25	27.0	1850	1000
0.5240	157	-	-	131	4x35	29.5	2350	1000
0.3870	185	-	-	159	4x50	34.0	3100	1000
0.2680	228	-	-	202	4x70	39.0	4450	1000
0.1930	275	-	-	244	4x95	44.5	5800	500
0.1530	313	-	-	282	4x120	49.0	7100	500
0.1240	353	-	-	324	4x150	53.5	8600	500
0.0991	399	-	-	371	4x185	59.0	10500	250
0.0754	464	-	-	436	4x240	67.0	13400	250
0.0601	524	-	-	481	4x300	75.5	16600	250
0.0470	600	-	-	560	4x400	85.5	21650	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○

Triangular | ⁂