

catalog | **I-VOLT**[®]
low voltage Electrical Cables
0.6/1 kV | PVC Insulated
// Aluminum 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. Stranded aluminum conductor.
2. PVC insulation.
3. Filter.
4. PVC outer jacket.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section <300 mm² : 160°C (max. 5 sec.)
Cross section >300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

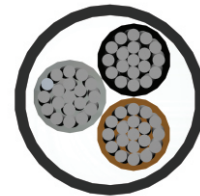
// Standards

IEC 60502 | VDE 0276

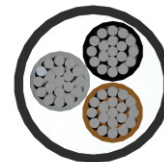
// Code

YAVV-R | AL/PVC/PVC | NAPP

U: Solid Conductor
R: Stranded conductor



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	mm²	mm	kg/km	m
1.2000	99	-	-	83	3x25	24.0	760	1000
0.8680	118	-	-	102	3x35	26.5	930	1000
0.6410	142	-	-	124	3x50	30.5	1250	1000
0.4430	176	-	-	158	3x70	34.5	1650	1000
0.3200	211	-	-	190	3x95	39.5	2150	1000
0.2530	242	-	-	221	3x120	43.0	2550	1000
0.2060	270	-	-	252	3x150	48.0	3200	1000
0.1640	308	-	-	289	3x185	52.5	3900	1000
0.1250	363	-	-	339	3x240	59.5	4590	500
0.1000	412	-	-	377	3x300	65.5	6050	500
0.0778	475	-	-	444	3x400	74.0	7850	500
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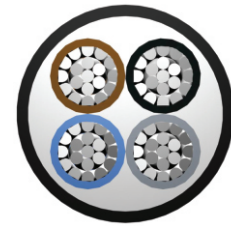
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1.2000	99	-	-	83	3x25+16	25.0	850	1000
0.8680	118	-	-	102	3x35+16	27.0	1000	1000
0.6410	142	-	-	124	3x50+25	32.0	1350	1000
0.4430	176	-	-	158	3x70+35	36.0	1800	1000
0.3200	211	-	-	190	3x95+50	41.0	2350	1000
0.2530	242	-	-	221	3x120+70	45.5	2900	1000
0.2060	270	-	-	252	3x150+70	49.5	3450	1000
0.1640	308	-	-	289	3x185+95	55.0	4250	500
0.1250	363	-	-	339	3x240+120	61.5	5350	500
0.1000	412	-	-	377	3x300+150	68.0	6550	500
0.0778	475	-	-	444	3x400+185	76.5	8400	250
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