

## 0,6/1kV Cables

### R2V



### Description

These cables are indicated for the transport and distribution of low voltage electricity. Recommended for industrial connections, service connections, internal distribution and outdoor connections. It can be used in underground networks and permanent installations.

### Applications

Appropriate for the following installations:

- Underground networks for low voltage distribution
- Underground supply networks for outdoor lighting installations electricity distribution networks. Underground service connections
- Indoor or receiver installations
- Installations in premises with special characteristics

### Technical characteristics

<b>1. Conductor</b>	Electrolytic copper conductor (Class I and II), according to IEC 60228, BS EN 60228:2005 (previously BS 6360) and UNE 60228.
<b>2. Insulation</b>	Cross-linked polyethylene insulation (XLPE), type DIX-3, according to HD603S1 and UNE 21123.
<b>3. Sheathing</b>	PVC sheath, type DMV-18, according to HD 603S1 and UNE 21123.
<b>Rated voltage</b>	0,6/1kV
<b>Test voltage</b>	3.500V in A.C.
<b>Maximum temperature</b>	90°C
<b>Other characteristics</b>	

- Colours according to UNE 21089 and HD 308S3:2001
- Non-flame propagating according to NF 32070, EN 60332 and IEC 60332
- The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC
- PVC with low hydrogen chloride (HCL) emission



## Dimensions

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ω/km)	External Diameter (mm)	Weight (Kg/Km)	Section (mm <sup>2</sup> )	Resistance at 20 °C (Ω/km)	External Diameter (mm)	Weight (Kg/Km)
1x1,5	12,10	4,93	32	3x2,5	7,41	10,37	170
1x2,5	7,41	5,50	49	3x4	4,61	11,15	219
1x4	4,61	5,78	68	3x6	3,08	12,70	304
1x6	3,08	6,81	90	3x10	1,83	14,26	435
1x10	1,83	7,60	129	3x16	1,15	16,65	640
1x16	1,15	8,91	196	3x25	0,727	19,80	991
1x25	0,727	10,03	283	4x1,5	12,10	10,90	153
1x35	0,524	11,10	382	4x2,5	7,41	11,11	200
1x50	0,387	12,40	497	4x4	4,61	12,33	272
1x70	0,268	14,30	703	4x6	3,08	13,97	368
1x95	0,193	16,20	956	4x10	1,83	15,88	542
1x120	0,153	18,00	1.190	4x16	1,15	18,29	815
1x150	0,124	19,60	1.432	4x25	0,727	22,59	1.271
1x185	0,0991	22,50	1.849	4x35	0,524	25,10	1.686
1x240	0,0754	24,93	2.385	4x50	0,387	28,40	2.181
1x300	0,0601	28,96	2.985	4x70	0,268	32,68	3.131
2x1,5	12,10	8,91	108	4x95	0,193	37,20	4.213
2x2,5	7,41	9,86	144	5x1,5	12,10	11,15	184
2x4	4,61	11,46	191	5x2,5	7,41	11,97	235
2x6	3,08	12,14	249	5x4	4,61	13,26	323
2x10	1,83	13,87	359	5x6	3,08	15,52	464
2x16	1,15	15,74	509	5x10	1,83	17,62	676
2x25	0,727	18,39	751	5x16	1,15	20,83	1.022
2x35	0,524	21,20	995	5x25	0,727	25,00	1.600
3x1,5	12,10	9,60	133				

Cables with more than 3 conductors can be manufactured with one of the cores yellow/green.

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