

# Cables 0,6/1 kV

## RV 0,6/1 kV



### 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.

Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

### Applications

Suitable 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

1. Conductor	Electrolytic copper conductor, Class I and II, according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	Cross-linked polyethylene insulation(XLPE), type DIX-3, according to UNE 21123 and HD 603S1.
3. Sheath	PVC sheath, type DMV-18 according to UNE 21123 and HD 603S1.
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C
Other characteristics	

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, with respect to the insulation with PVC

CPR Classification according to EN 50575

**Dimensions**

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	12,1	4,85	36	Eca
1x2,5	7,41	5,10	45	Eca
1x4	4,61	5,55	74	Eca
1x6	3,08	6,35	83	Eca
1x10	1,83	7,10	124	Eca
1x16	1,15	8,40	182	Eca
1x25	0,727	9,90	279	Eca
1x35	0,524	11,00	369	Eca
1x50	0,387	12,40	501	Eca
1x70	0,268	14,70	714	Eca
1x95	0,193	16,70	955	Eca
1x120	0,153	18,10	1.211	Eca
1x150	0,124	20,35	1.478	Eca
1x185	0,101	22,60	1.836	Eca
1x240	0,0775	25,25	2.349	Eca
1x300	0,062	28,70	2.948	Eca
1x400	0,0465	32,60	3.924	Eca
1x500	0,0366	32,75	4.774	Eca
1x630	0,0283	36,55	6.158	Eca
2x1,5	12,1	8,05	93	Eca
2x2,5	7,41	8,70	119	Eca
2x4	4,61	9,80	163	Eca
2x6	3,08	11,10	221	Eca
2x10	1,83	12,65	320	Eca
2x16	1,15	15,90	522	Eca
2x25	0,727	19,50	815	Eca
2x35	0,524	21,40	1.039	Eca
2x50	0,387	25,00	1.439	Eca
2x70	0,268	27,90	1.922	Eca
3G1,5	12,1	8,55	110	Eca
3G2,5	7,41	9,25	144	Eca
3G4	4,61	10,25	199	Eca
3G6	3,08	11,75	275	Eca
3G10	1,83	13,50	409	Eca
3x16	1,15	16,90	665	Eca
3x25	0,727	20,25	1.004	Eca
3x35	0,554	22,90	1.329	Eca
3x50	0,387	27,50	1.907	Eca

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3x70	0,268	31,70	2.645	Eca
3x95	0,193	34,75	3.386	Eca
4G1,5	12,1	9,25	132	Eca
4G2,5	7,41	10,05	174	Eca
4G4	14,61	11,20	244	Eca
4G6	3,08	12,95	342	Eca
4G10	1,83	14,85	513	Eca
4x16	1,15	18,50	816	Eca
4x25	0,727	22,55	1.277	Eca
4x35	0,524	25,30	1.631	Eca
4x50	0,387	28,50	2.246	Eca
4x70	0,268	35,00	3.293	Eca
4x95	0,193	38,80	4.393	Eca
5G1,5	12,1	10,10	154	Eca
5G2,5	7,41	11,05	208	Eca
5G4	4,61	12,20	289	Eca
5G6	3,08	14,25	411	Eca
5G10	1,83	16,40	622	Eca
5G16	1,15	20,25	987	Eca
5G25	0,727	25,30	1.575	Eca
5G35	0,524	28,00	2.025	Eca
5G50	0,387	31,85	2.756	Eca
5G70	0,268	37,20	3.892	Eca
5G95	0,193	42,55	5.221	Eca
7G1,5	12,1	11,35	202	Eca
7G2,5	7,41	11,60	256	Eca
8G1,5	12,1	11,30	209	Eca
10G1,5	12,1	12,10	248	Eca
12G1,5	12,1	13,70	306	Eca
12G2,5	7,41	14,35	401	Eca
18G1,5	12,1	16,40	417	Eca
19G1,5	12,1	16,60	433	Eca
19G2,5	7,41	18,10	605	Eca
24G1,5	12,1	17,00	514	Eca
27G1,5	12,1	19,50	632	Eca
37G1,5	12,1	21,40	771	Eca
37G2,5	7,41	23,75	1.095	Eca

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