

Cables 0,6/1 kV

U 1000 R2V 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

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

1. Conductor	Electrolytic copper conductor, Class I and II, according to IEC 60228, BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	Cross-linked polyethylene insulation (XLPE), type DIX-3, according to HD603S1 and UNE 21123.
3. Sheath	PVC sheath, type DMV-18, according to HD 603S1 and UNE 21123.
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C
Section identification	1,5 pink 2,5 Pale yellow 4 violet 6 turquoise - 10 brown 16 Grey

Other characteristics

Colours according to UNE 21089 and HD 308S3:2001

Non-flame propagating according to NF 32070, 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, respect to the insulation with PVC
CPR Classification according to EN 50575

Dimensions

Section (mm ²)	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	12,30	494	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	28,00	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	15,80	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 ²)	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
4x1,5	12,1	9,30	132	Eca
4x2,5	7,41	10,05	174	Eca
4x4	14,61	11,20	244	Eca
4x6	3,08	12,95	342	Eca
4x10	1,83	14,85	513	Eca
4x16	1,15	18,30	816	Eca
4x25	0,727	22,55	1.277	Eca
4x35	0,524	24,70	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
5x1,5	12,1	10,10	154	Eca
5x2,5	7,41	11,05	208	Eca
5x4	4,61	12,15	289	Eca
5x6	3,08	14,25	411	Eca
5x10	1,83	16,40	622	Eca
5x16	1,15	20,15	987	Eca
5x25	0,727	25,30	1.573	Eca
5x35	0,524	27,80	2.025	Eca
5x50	0,387	31,85	2.756	Eca
5x70	0,268	37,20	3.892	Eca
5x95	0,193	42,55	5.221	Eca
7x1,5	12,1	11,20	202	Eca
7x2,5	7,41	11,60	256	Eca
8x1,5	12,1	11,30	209	Eca
10x1,5	12,1	12,10	248	Eca
12x1,5	12,1	13,70	306	Eca
12x2,5	7,41	14,35	401	Eca
18x1,5	12,1	16,40	417	Eca
19x1,5	12,1	16,40	433	Eca
19x2,5	7,41	18,10	605	Eca
24x1,5	12,1	17,00	514	Eca
27x1,5	12,1	18,05	579	Eca
37x1,5	12,1	21,40	771	Eca
37x2,5	7,41	23,75	1.095	Eca