

Cables 0,6/1 kV

XVB-F2



Description

These cables XVB-F2 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: IEC 60502 and NBN HD 604

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	Rigid electrolytic copper (Class I y II) according to NBN EN 60228, EN 60228 and IEC 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Sheath	PVC type DMV-18 according to HD 603-1
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C

Other characteristics

Colours according to HD 303 S2

Non-fire propagating according NBN C30-004 F2 and IEC 60332-3

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, with respect to the insulation with PVC PVC sheath with reduced hydrogen chloride (HCl) emission.

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	12,1	4,75	34
1x2,5	7,41	4,95	43
1x4	4,61	5,50	72
1x6	3,08	6,15	83
1x10	1,83	7,00	123
1x16	1,15	8,25	183
1x25	0,727	9,80	278
1x35	0,524	11,00	369
1x50	0,387	12,30	494
1x70	0,268	14,10	696
1x95	0,193	16,10	965
1x120	0,153	17,60	1.192
1x150	0,124	20,00	1.461
1x185	0,101	22,20	1.815
1x240	0,0775	24,90	2.327
1x300	0,062	28,00	2.948
1x400	0,0465	32,60	3.924
1x500	0,0366	32,75	4.774
1x630	0,0283	36,55	6.158
2x1,5	12,1	7,85	89
2x2,5	7,41	8,50	118
2x4	4,61	9,75	161
2x6	3,08	10,90	216
2x10	1,83	12,40	315
2x16	1,15	15,40	510
2x25	0,727	18,80	783
2x35	0,524	21,20	1.026
2x50	0,387	25,00	1.439
2x70	0,268	27,90	1.922
3G1,5	12,1	8,25	91
3G2,5	7,41	8,85	137
3G4	4,61	10,10	193
3G6	3,08	11,45	267
3G10	1,83	13,20	401
3x16	1,15	16,60	654
3x25	0,727	19,90	995
3x35	0,554	22,90	1.329
3x50	0,387	27,50	1.907

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
3x70	0,268	31,70	2.645
3x95	0,193	34,75	3.386
4x1,5	12,1	9,00	124
4x2,5	7,41	9,60	166
4x4	14,61	11,05	243
4x6	3,08	12,50	338
4x10	1,83	14,50	501
4x16	1,15	18,00	784
4x25	0,727	22,20	1.289
4x35	0,524	24,70	1.631
4x50	0,387	28,50	2.246
4x70	0,268	35,00	3.293
4x95	0,193	38,80	4.393
5x1,5	12,1	9,70	130
5x2,5	7,41	10,40	195
5x4	4,61	11,90	291
5x6	3,08	13,95	404
5x10	1,83	15,85	612
5x16	1,15	19,80	969
5x25	0,727	24,70	1.544
5x35	0,524	27,80	2.025
5x50	0,387	31,85	2.756
5x70	0,268	37,20	3.892
5x95	0,193	42,55	5.221
7x1,5	12,1	10,80	193
7x2,5	7,41	11,60	256
8x1,5	12,1	11,30	209
10x1,5	12,1	12,10	248
12x1,5	12,1	13,25	295
12x2,5	7,41	14,35	401
18x1,5	12,1	16,40	417
19x1,5	12,1	16,40	433
19x2,5	7,41	18,10	605
24x1,5	12,1	17,00	514
27x1,5	12,1	18,05	579
37x1,5	12,1	21,40	771
37x2,5	7,41	23,75	1.095