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 ºC
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.

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Dimensions

Section (mm^2)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	12,1	4,85	36
1x2,5	7,41	5,10	45
1x4	4,61	5,55	74
1x6	3,08	6,35	83
1x10	1,83	7,10	124
1x16	1,15	8,40	182
1x25	0,727	9,90	279
1x35	0,524	11,00	369
1x50	0,387	12,40	501
1x70	0,268	14,70	714
1x95	0,193	16,70	955
1x120	0,153	18,10	1.211
1x150	0,124	20,35	1.478
1x185	0,101	22,60	1.836
1x240	0,0775	25,25	2.349
1x300	0,062	28,70	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	8,05	93
2x2,5	7,41	8,70	119
2x4	4,61	9,80	163
2x6	3,08	11,10	221
2x10	1,83	12,65	320
2x16	1,15	15,90	522
2x25	0,727	19,50	815
2x35	0,524	21,40	1.039
2x50	0,387	25,00	1.439
2x70	0,268	27,90	1.922
3G1,5	12,1	8,55	110
3G2,5	7,41	9,25	144
3G4	4,61	10,25	199
3G6	3,08	11,75	275
3G10	1,83	13,50	409
3x16	1,15	16,90	665
3x25	0,727	20,25	1.004
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
4G1,5	12,1	9,25	132
4G2,5	7,41	10,05	174
4G4	14,61	11,20	244
4G6	3,08	12,95	342
4G10	1,83	14,85	513
4x16	1,15	18,50	816
4x25	0,727	22,55	1.277
4x35	0,524	25,30	1.631
4x50	0,387	28,50	2.246
4x70	0,268	35,00	3.293
4x95	0,193	38,80	4.393
5G1,5	12,1	10,10	154
5G2,5	7,41	11,05	208
5G4	4,61	12,20	289
5G6	3,08	14,25	411
5G10	1,83	16,40	622
5G16	1,15	20,25	987
5G25	0,727	25,30	1.575
5G35	0,524	28,00	2.025
5G50	0,387	31,85	2.756
5G70	0,268	37,20	3.892
5G95	0,193	42,55	5.221
7G1,5	12,1	11,35	202
7G2,5	7,41	11,60	256
8G1,5	12,1	11,30	209
10G1,5	12,1	12,10	248
12G1,5	12,1	13,70	306
12G2,5	7,41	14,35	401
18G1,5	12,1	16,40	417
19G1,5	12,1	16,60	433
19G2,5	7,41	18,10	605
24G1,5	12,1	17,00	514
27G1,5	12,1	19,50	632
37G1,5	12,1	21,40	771
37G2,5	7,41	23,75	1.095