

XCMK-HF Cable



Eland Product Group: B1T

APPLICATION

The XCMK-HF cable may be laid indoor, outdoor, for fixed installations on wall and on metallic structures. Direct burial in soil is allowed, as long as the relevant national rules of installations are followed. Halogen free cable are recommended when it is important to avoid thick smoke and corrosive gases, in case of fire or overheating.

CHARACTERISTICS

Voltage Rating U_0/U (Um)
0,6/1 (1.2)kV

Temperature Rating
Operating: -15°C to +90°C

Short Circuit Temperature
+250°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Up to 6 mm²: Class 1 Circular, solid copper
Up to 10 mm² Class 2 Circular, stranded copper
Above 35mm²: Class 2 Sector shaped, stranded copper

Insulation
XPLE compound (Cross-Linked Polyethylene)

Filler
HFFR compound (Halogen free flame retardant) or tape

Screen
Copper wires and copper tape

Sheath
Halogen free polyolefin

Core Identification
2 core: ● Blue ● Brown
3 core: ● Brown ● Black ● Grey
4 core: ● Blue ● Brown ● Black ● Grey

Sheath Colour
● Black

STANDARDS

SFS 5546, SS 424 14 18, HD 604 S1 5I, IEC 60502-1, IEC 60228, EN 60754-2, EN 61034-2

Flame retardant according to EN 60332-3-23

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B1T030015/1.5	3	1.5/1.5	14	210
B1T030025/2.5	3	2.5/2.5	15	260
B1T030060/6	3	6/6	17	450
B1T03010/10	3	10/10	21	670
B1T03016/10	3	16/16	24	970
B1T03025/16	3	25/16	26	1330
B1T03035/16	3	35/16	28	1360
B1T03050/25	3	50/25	29	1860
B1T03070/35	3	70/35	33	2560
B1T03095/50	3	95/50	37	3440
B1T03120/70	3	120/70	39	4350
B1T03150/70	3	150/70	43	5150
B1T03185/95	3	185/95	48	6600
B1T03240/12	3	240/120	54	8450
B1T040015/1.5	4	1.5/1.5	14	240
B1T040025/2.5	4	2.5/2.5	15	300
B1T040060/6	4	6/6	19	530
B1T04010/10	4	10/10	23	810
B1T04016/10	4	16/16	26	1160
B1T04025/16	4	25/16	28	1600
B1T04035/16	4	35/16	30	1710
B1T04050/25	4	50/25	31	2340
B1T04070/35	4	70/35	35	3230
B1T04095/50	4	95/50	39	4360
B1T04120/70	4	120/70	43	5510
B1T04150/70	4	150/70	47	6650
B1T04185/95	4	185/95	54	8460
B1T04240/12	4	240/120	60	10960

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT AT 20°C ohm/km
1.5/1.5	12.1
2.5/2.5	7.41
6/6	3.08
10/10	1.83
16/16	1.15
25/16	0.727
35/16	0.524
50/25	0.387
70/35	0.268
95/50	0.193
120/70	0.153
150/70	0.124
185/95	0.0991
240/120	0.0754

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.