



H07BB-F 450/750V Cable



Eland Product Group: B5M

APPLICATION

H07BB-F cables are for fixed and mobile equipment connections in agricultural applications and industrial workshops where the systems are not subject to mechanical stresses. They can be used indoors, outdoors (temporary installations), in dry, wet and contain explosive atmospheres environments (some geographic restrictions may apply). Permitted use up to 1000V A.C or D.C when used in fixed and protected installations.

CHARACTERISTICS

Voltage Rating

450/750V

up to 1000V AC/DC for fixed/protected installations

Temperature Rating

-25°C to +90°C

Maximum conductor short-circuit temperature: 250°C

CONSTRUCTION

Conductor

Class 5 flexible stranded Copper

Insulation

EDPM (Ethylene Propylene Diene Monomer) EI6 Type

Outer Sheath

Rubber EM6 Type

Sheath Colour

● Black

STANDARDS

EN 50525-1, EN 50525-2-21, IEC/EN 60228, BS 7919, DIN VDE 0282-1/12, DIN VDE 0295, VDE 0298-4, DIN VDE 0298-300, IEC 60245-1/2/4, EN 50395, EN 50396, HD 22.1/12, HD 308, HD 383, HD 516 Tab.7c,

Flame Retardant to IEC/EN 60332-1-2
UV/Ozone Resistant

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.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL MINIMUM OUTER DIAMETER mm	NOMINAL MAXIMUM OUTER DIAMETER mm	NOMINAL CABLE WEIGHT kg/km
B5M010015	1	1.5	5.7	7.1	58
B5M010025	1	2.5	6.3	7.9	77
B5M010040	1	4	7.2	9	106
B5M010060	1	6	7.9	9.8	136
B5M01010	1	10	9.5	11.9	208
B5M01016	1	16	10.8	13.4	293
B5M01025	1	25	12.7	15.8	428
B5M01035	1	35	14.3	17.9	573
B5M01050	1	50	16.5	20.6	788
B5M01070	1	70	18.6	23.3	1.057
B5M01095	1	95	20.8	26	1.381
B5M01120	1	120	22.8	28.6	1.711
B5M01150	1	150	25.2	31.4	2.111
B5M01185	1	185	27.6	34.4	2.574
B5M01240	1	240	30.6	38.3	3.273
B5M01300	1	300	33.5	41.9	4.022
B5M01400	1	400	37.4	46.8	5.229
B5M01500	1	500	41.3	52	6.493
B5M01630	1	630	45.5	57	8.054
B5M020010	2	1	7.7	10	104
B5M020015	2	1.5	8.5	11	130
B5M020025	2	2.5	10.2	13.1	191
B5M020040	2	4	11.8	15.1	265
B5M020060	2	6	13.1	16.8	346
B5M02010	2	10	17.7	22.6	611
B5M02016	2	16	20.2	25.7	843
B5M02025	2	25	24.3	30.7	1.242
B5M030010	3	1	8.3	10.7	124
B5M030015	3	1.5	9.2	11.9	160
B5M030025	3	2.5	10.9	14	232
B5M030040	3	4	12.7	16.2	329
B5M030060	3	6	14.1	18	431
B5M03010	3	10	19.1	24.2	761
B5M03016	3	16	21.8	27.6	1.064
B5M03025	3	25	26.1	33	1.575
B5M03035	3	35	29.3	37.1	2.073
B5M03050	3	50	34.1	42.9	2.860
B5M03070	3	70	38.4	48.3	3.788
B5M03095	3	95	43.3	54	4.940
B5M03120	3	120	47.4	60	6.123
B5M03150	3	150	52	66	7.518
B5M03185	3	185	57	72	9.125
B5M03240	3	240	65	82	11.844
B5M03300	3	300	72	90	14.594

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B5M040010	4	1	9.2	11.9	155
B5M040015	4	1.5	10.2	13.1	199
B5M040025	4	2.5	12.1	15.5	292
B5M040040	4	4	14	17.9	412
B5M040060	4	6	15.7	20	547
B5M04010	4	10	20.9	26.5	945
B5M04016	4	16	23.8	30.1	1.323
B5M04025	4	25	28.9	36.6	1.999
B5M04035	4	35	32.5	41.1	2.638
B5M04050	4	50	37.7	47.5	3.635
B5M04070	4	70	42.7	54	4.866
B5M04095	4	95	48.4	61	6.406
B5M04120	4	120	53	66	7.829
B5M04150	4	150	58	73	9.638
B5M04185	4	185	64	80	11.769
B5M04240	4	240	72	91	15.176
B5M04300	4	300	80	101	18.846
B5M050010	5	1	10.2	13.1	191
B5M050015	5	1.5	11.2	14.4	242
B5M050025	5	2.5	13.3	17	355
B5M050040	5	4	15.6	19.9	510
B5M050060	5	6	17.5	22.2	679
B5M05010	5	10	22.9	29.1	1.153
B5M05016	5	16	26.4	33.3	1.636
B5M05025	5	25	32	40.4	2.466
B5M060015	6	1.5	13.4	17.2	332
B5M060025	6	2.5	15.7	20	473
B5M060040	6	4	18.2	23.2	669
B5M070015	7	1.5	14.7	18.7	365
B5M070025	7	2.5	17.1	21.8	508
B5M070040	7	4	20.1	25.5	720
B5M120015	12	1.5	17.6	22.4	587
B5M120025	12	2.5	20.6	26.2	848
B5M120040	12	4	24.4	30.9	1.234
B5M180015	18	1.5	20.7	26.3	830
B5M180025	18	2.5	24.4	30.9	1.209
B5M180040	18	4	28.8	36.4	1.760
B5M240015	24	1.5	24.3	30.7	1.127
B5M240025	24	2.5	28.8	36.4	1.661
B5M360015	36	1.5	27.8	35.2	1.534
B5M360025	36	2.5	33.2	41.8	2.284

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