

JE-H(St)H FE180-E30 Communication Cable



Eland Product Group : **B8F**

APPLICATION

For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people or material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

CONSTRUCTION

Conductor

Class 1 Solid Tinned Copper

Insulation

Flame Retardant Non-Corrosive compound HI1

Screen

Plastic Coated Aluminium Foil

Sheath

Flame Retardant Non-Corrosive compound HM2

CABLE STANDARDS

VDE 0815, DIN 4102

Flame Retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)

Smoke Density: DIN EN 61034/IEC 61034

Halogen Free: DIN EN 50267/IEC 60754

Fire Resistant: FE 180

Circuit Integrity: E30



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Operating Voltage

225V

Temperature Rating

Fixed: -5°C to +50°C

Minimum Bending Radius

Fixed 7.5 x overall diameter

Core Identification

● Pink ● Orange ● Violet ● Pink ● Orange

Sheath Colour

● Orange

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B8F02000068OR	2	0.8	7.5	76
B8F0400008OR	4	0.8	9.3	130
B8F0800008OR	8	0.8	11.4	232
B8F1200008OR	12	0.8	13.5	318
B8F1600008OR	16	0.8	15	430
B8F2000008OR	20	0.8	16.5	514
B8F3200008OR	32	0.8	19.5	730
B8F4000008OR	40	0.8	22.5	962
B8F5200008OR	52	0.8	25.2	1200

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.