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



Eland Product Group: B8T

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 material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

CHARACTERISTICS

Voltage Rating
225V

Maximum Operating Temperature
Fixed: -5°C to +50°C

Minimum Bending Radius
Fixed: 7.5 x overall diameter

CONSTRUCTION

Conductor
Class 1 Solid Tinned Copper

Insulation
Flame Retardant Non-Corrosive compound

Filler
LSZH (Low Smoke Zero Halogen)

Screen
Plastic Coated Aluminium Foil

Sheath
Flame Retardant Non-Corrosive compound

Core Identification
as per DIN VDE 0815
2 pair: Blue Red Grey Yellow
4 and 8 pairs: Blue Red Grey Yellow Green Brown White Black
12 pairs +: Pink Orange Violet Pink Orange

Sheath Colour
Orange

STANDARDS

VDE 0815, DIN 4102, DIN EN 61034/IEC 61034, DIN EN 50267/IEC 60754

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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

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DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	NOMINAL CROSS SECTIONAL AREA mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B8F02000068OR	2	0.8	7.5	76
B8F04000080R	4	0.8	9.3	130
B8F08000080R	8	0.8	11.4	232
B8F12000080R	12	0.8	13.5	318
B8F16000080R	16	0.8	15	430
B8F20000080R	20	0.8	16.5	514
B8F32000080R	32	0.8	19.5	730
B8F40000080R	40	0.8	22.5	962
B8F52000080R	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.

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