

J-H(St)H FRNC Communication Cable



Eland Product Group: B8T

APPLICATION

Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For the connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected from sunlight.

CHARACTERISTICS

Voltage Rating
300V

Maximum Operating Temperature
Fixed: -30°C to +70°C

Minimum Bending Radius
Fixed: 7.5 x overall diameter

CONSTRUCTION

Conductor
Class 1 Solid Tinned Bare Copper

Insulation
Flame Retardant Non-Corrosive LSZH compound

Filler
LSZH (Low Smoke Zero Halogen)

Screen
Plastic Coated Aluminium Foil

Drain Wire
Solid Copper

Sheath
Flame Retardant Non-Corrosive LSZH compound

Core Identification
4 cores twisted into star quads
Star quads: ● Red ● Green ● Grey ● Yellow ○ White
One star quad marked by rings
Wire 1: without ring
Wire 1: one ring, wide spaced
Wire 2: Double ring, wide spaced
Wire 2: Double ring, narrow spaced

Sheath Colour
● Grey

STANDARDS

VDE 0815

Low Smoke Zero Halogen according to: 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)

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 PAIRS	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B8T2000006GR	2	0.6	5.5	49
B8T0200008GR	2	0.8	7	69
B8T0400006GR	4	0.6	6.8	92
B8T0400008GR	4	0.8	9	136
B8T0600006GR	6	0.6	7.5	101
B8T0600008GR	6	0.8	10.5	152
B8T1000006GR	10	0.6	9	146
B8T1000008GR	10	0.8	13	230
B8T2000006GR	20	0.6	11	310
B8T2000008GR	20	0.8	16.5	508
B8T3000006GR	30	0.6	13	352
B8T3000008GR	30	0.8	20	599
B8T4000006GR	40	0.6	15	464
B8T4000008GR	40	0.8	22.5	787
B8T5000006GR	50	0.6	17	573
B8T5000008GR	50	0.8	25.5	973
B8T6000006GR	60	0.6	18	661
B8T6000008GR	60	0.8	28	1121
B8T8000006GR	80	0.6	20.5	876
B8T8000008GR	80	0.8	31	1476
B8T10000006GR	100	0.6	23	1056
B8T10000008GR	100	0.8	32	1805

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.