

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.

CONSTRUCTION

Conductor

Class 1 Solid Tinned Bare Copper

Insulation

Flame Retardant Non-Corrosive compound HI1

Screen

Plastic Coated Aluminium Foil

Drain Wire

Solid Copper

Sheath

Flame Retardant Non-Corrosive compound HM1

CABLE STANDARDS

VDE 0815.

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



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

300V

Temperature Rating

Fixed: -30°C to +70°C

Minimum Bending Radius

Fixed: 7.5 x overall diameter

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

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER 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.