



Ref No: BCS1YE00905

DESCRIPTION :

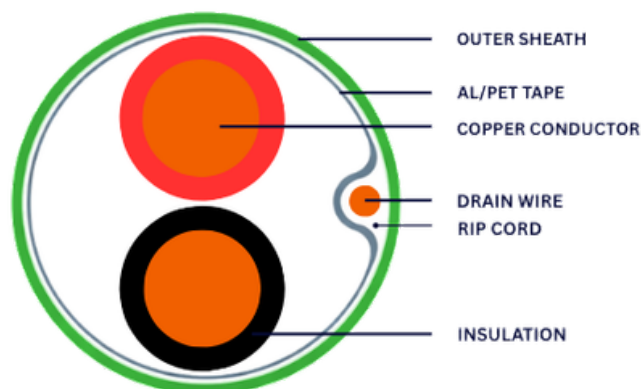
EIB/KNX Cable – 1 pair (2-core twisted pair) with 0.8 mm solid bare copper conductors, overall shielded, LSZH green sheath, designed for KNX/EIB building automation systems

APPLICATION :

Suitable for KNX (EIB) bus systems, EHS, building automation system.

CONSTRUCTION :

Cores	1 Pair (2 Core)
Section	0.8mm
Conductor Material	Solid Bare Copper
Insulation	Polyethylene (PE)
Colour	Black, Red
Lay Up	2 Cores twisted to a pair
Wrapping	Polyethylene terephthalate foil
Screen (100% Coverage)	Aluminium/ Polyester
Drain Wire	Solid Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Low Smoke Zero Halogen (LSZH/ FRNC)
Sheath Color	Green RAL 6018
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	40
Nominal Insulation Thickness (mm)	0.3
Nominal Sheath Thickness (mm)	1.2
Nominal Overall Diameter (mm)	5.10
Min. Bend Radius (install) (mm)	56
Max. Pull Tension (N)	52

TECHNICAL DATA & STANDARD REFERENCES

EN 50290-2
IEC 60332-3-24,
IEC 60754-1&-2,
IEC 61034 & UL 1685 for HFFR/LSZH Cable
RoHS Directives

ELECTRICAL CHARACTERISTICS

Max. Mutual Capacitance	100 pF/m
DC Resistance per core @ 20°C	38Ω/km
Insulation Resistance @ 20°C	102 MΩ/km (min)
Max. DC Loop (Ω/km)	73.6
Inductance	0.78 μH/m
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :



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Disclaimer: Information is believed to be accurate but may contain errors. Specifications may change without notice.



COMPANY PROFILE