TECHNICAL DATASHEET
PART NO: BCS1217



Ref No: BCS1YE00820

DESCRIPTION

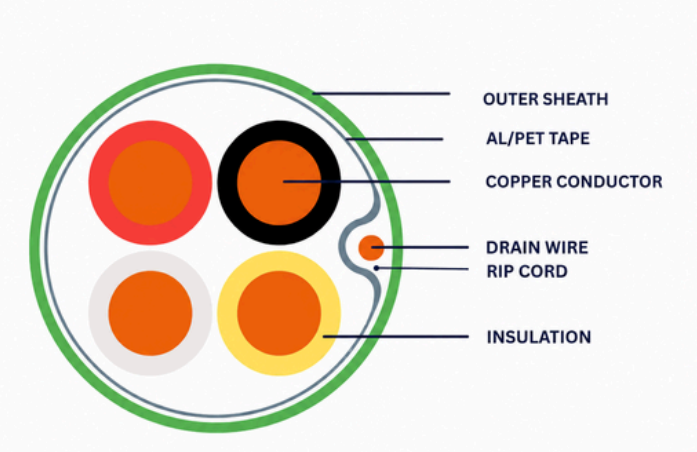
EIB/KNX Cable – 2 pair (4-core twisted quad) with 0.8 mm solid bare copper conductors, overall shielded, PVC green sheath, designed for KNX/EIB building automation systems

APPLICATION

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

CONSTRUCTION

Cores	2 Pair (4 Cores)
Diameter Conductor	0.8mm
Conductor Material	Solid Bare Copper
Insulation	Polyethylene (PE)
Colour	Black, Red, White, Yellow
Lay up	4 Cores stranded to a Quad (2 pair)
Wrapping	Polyethylene terephthalate foil
Screen (100% Coverage)	Aluminium/ Polyester
Drain Wire	Solid Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC)
Sheath Color	RAL6018 - (Green)
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	52
Nominal Insulation Thickness (mm)	0.4
Nominal Sheath Thickness (mm)	1.2
Nominal Overall Diameter (mm)	5.80
Min. Bend Radius (install) (mm)	60
Max. Pull Tension (N)	100

ELECTRICAL CHARACTERISTICS

Max. Mutual Capacitance	99 pF/m
DC Resistance per core @ 20°C	36 Ω/km
Insulation Resistance	99 MΩ/km (min)
DC Loop Resistance	73.6 Ω/km
Inductance	0.75 µH/m
Operating Voltage	300 V (Vrms)

TECHNICAL DATA & STANDARD REFERENCES

(BS) EN 50290-2
IEC 60228, IEC 60332-1-2 & IEC 60332-1-3
UL 1581
RoHS Directives

BELFAST ACCREDITED BY :

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COMPANY PROFILE