TECHNICAL DATASHEET
PART NO: BCS1218



Ref No: BCS1YE00906

DESCRIPTION :

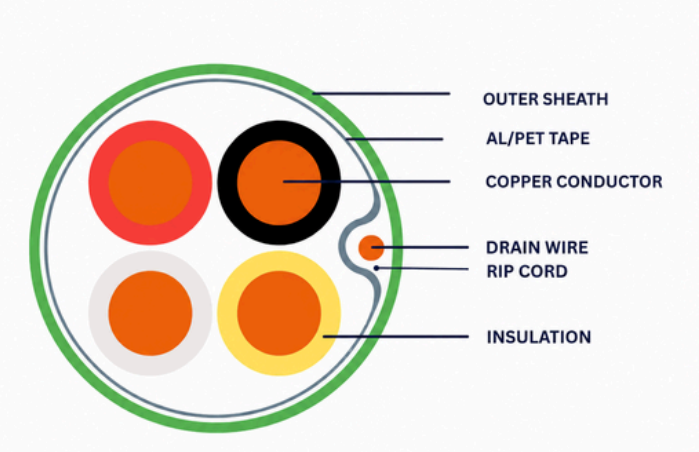
EIB/KNX Cable – 2 pair (4-core twisted quad) with 0.8 mm solid bare copper conductors, overall shielded, LSZH green sheath, designed for KNX/EIB building automation systems

APPLICATION :

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

CONSTRUCTION :

Cores	2 Pair (4 Cores)
Section	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	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)	57
Nominal Insulation Thickness (mm)	0.4
Nominal Sheath Thickness (mm)	1.2
Nominal Overall Diameter (mm)	5.80
Min. Bend Radius (install) (mm)	62
Max. Pull Tension (N)	100

ELECTRICAL CHARACTERISTICS

Max. Mutual Capacitance	100 pF/m
DC Resistance per core @ 20°C	36Ω/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)

TECHNICAL DATA & STANDARD REFERENCES

(BS) EN 50290-2
IEC 60754- 1 & 2, IEC 60228
IEC 61034, IEC 60332-3-24
UL 1685
RoHS Directives

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COMPANY PROFILE