

European Installation Bus (KNX) Cable Overall Screened, LSF Sheath

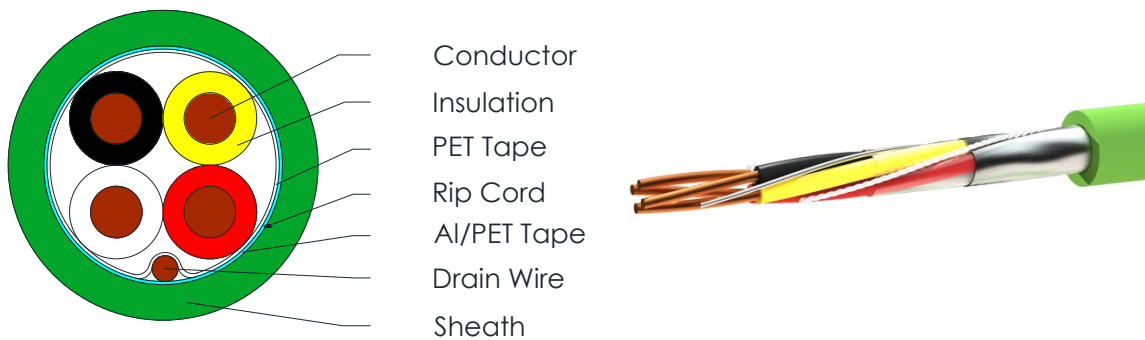


C4301, C4302

Applications

Screened cable used in KNX/EIB (European Installation Bus) applications.

Cross Section Drawing



- Conductor
- Insulation
- PET Tape
- Rip Cord
- Al/PET Tape
- Drain Wire
- Sheath

Design

Unit	Properties
Conductor	Solid Bare Copper wire
Insulation	Polyethylene (PE) Core 1, Black Core 2, Red Core 3, White Core 4, Yellow
Lay Up	4 cores stranded to a quad (4 x1) or 2 cores twisted to a pair.
Wrapping	PET foil
Drain Wire	Tinned Copper Wire, 0.4mm
Screen	Aluminum/Polyester 100% Coverage
Rip Cord	Nylon Yarn
Sheath Material	LSF Color: Green RAL 6018
Standard Put Up Length	305 or 500 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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C4301, C4302

Physical Characteristics

Part Number	C4301	C4302
No. of Cores	4	2
Lay Up	Quad	Pair
Diameter Conductor (mm)	0.80	
Nom. Radial Thickness Insulation (mm)	0.3	
Nom. Diameter Insulation (mm)	1.45	
Nom. Radial Thickness Sheath (mm)	1.1	
Nom. Overall Diameter (mm)	6.1	5.5
Operating Temperature (°C)	-25 to +75	
Max. Pulling Tension (N)	50	25
Min. Bend Radius (install) (mm)	61	55
Nominal Cable Weight (kg/km)	51	37

Electrical Characteristics

Part Number	C4301	C4302
Max. DC Resistance Conductor (Ω /km)	37	
Max. DC Loop (Ω /km)	73.5	
Max. Mutual Capacitance at 800 Hz (nF/km)	100	
Max. Capacitance Unbalance at 800 Hz (pF/100m)	300	
Inductance (μ H/m)	0.75	
Operating Voltage (Vrms)	300	

Reference Standards

EN 50290-2
IEC 60332-1
RoHS Directives