Draka EIB/KNX BUS Cable

- not to scale -

Application

EIB (European Installation Bus) cable is a special type of BUS cable suitable for use in KNX systems.
EIB/KNX is a shielded bus cable which meets the requirement of “European Installation Bus” standard. It’s widely use in KNX communication for building management for lighting control, heating, air-conditioning, time management, etc.
The cable can be used in dry, wet and damp areas either inside or outside (if protected from direct sunlight)

Standards

Screened installation cable based on type J-H(ST)H according to DIN VDE 0815
LSZH: IEC60332-1, IEC 61034-2, IEC 60754-1/2

Construction

Conductor	Bare Copper Wire, 0.5mm²	Ø 0.80mm
Insulation	PE	∅1.6mm
Color code	a-conductor	b-conductor
Pair 1	Red	Black
Pair 2	Yellow	White
Stranding	2 conductors to a pair	
Cable Lay up	1 or 2 pairs to the core	
Wrapping	1 x PET Foil	
Overall Screen	Aluminum Polyester Foil (Coverage 100%)	Overlapping ≥ 25%
Drain Wire	Tinned Copper Drain Wire 0.4mm²	Ø 0.71mm
Rip Cord	Yes	
Sheath	LSZH	∅7.6 ± 0.5 mm
Sheath color	Green (RAL 6018)	

Mechanical Properties

Min. Bend Radius (Without Load)	4 x OD
Min. Bend Radius (With Load)	8 x OD
Operating Temperature	-25℃ to 70℃
Min. Installation Temperature	-5℃ to 60℃

Electrical Properties

Max. Cond. Resistance DC @ 20°C	37.5 Ω/km
Insulation Resistance (at 500V, 1min.)	10 G Ω*km
Nom. Capacitance Conductor to Conductor	60pF/m
Inductance	0.65mH/km
Voltage Rating	300V
AC Test Voltage (1 min)	4000 V

Ordering Information

UC Part Number	SAP1C	Description	P.U
EIB2P0.8L-GN	60081652	Draka EIB BUS Cable 2PR x 0.8mm BC Shielded LSZH Green	500m/reel

Marking:
Marked in 1 meter intervals with inkjet printing as follows:

Draka EIB BUS CABLE <Part Number> <Pair Qty>P <XX>MM BC Shielded LSZH <FC> <BATCH CODE> <XXX>M

<XX>: denotes conductor size in MM
<FC> : Draka defined factory Code
<BATCHCODE>: Factory defined tracking code MM/YYYY or WW/YYYY
<XXX> : increasing length marking by 1metre

Logistic

Packing:
Wooden drum with protection

Delivery lengths:
Standard delivery length is 500m per drum ± 5%.

Enquiries

Please contact our local sales office or email to: mms.asia@prysmiangroup.com
Multimedia Solutions is the data communication portfolio of Prysmian Group and comprises all the necessary portfolio of cable solutions for data communication.
Ask about UC CONNECT for a complete Structure Cabling Solutions with 25 Years System Warranty.
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