Belfast®

THE FUTURE OF SAFE CONNECTIVITY

KNX® MEMBER KNX

EIB

KNX CERTIFIED CABLES

SMART BUILDINGS. SMARTER LIVING

- BUILDING AUTOMATION
- HVAC CONTROL
- LIGHTING CONTROL
- SECURITY & ACCESS
- DATA & COMMUNICATION



- CERTIFIED PERFORMANCE
- RELIABLE & DURABLE
- EUROPEAN QUALITY
- BUILT FOR A SMARTER TOMORROW

KNX CERTIFICATE OF CONFORMITY | MEMBERSHIP

Belfast KNX/EIB cables are certified with a KNX Certificate of Conformity and are officially listed in the KNX register of qualified products by the KNX Association.

CERTIFIED CABLES CONNECTIVITY FOR SMART BUILDING AUTOMATION

We are proud to announce that Belfast KNX Cables have achieved KNX Certification, confirming compliance with recognised KNX requirements for quality, compatibility and system interoperability.

Engineered for stable communication across modern building automation systems, including:

- Lighting Control
- HVAC
- Blinds & Shutters
- Presence & Sensors
- Access Control
- Security
- Integrated Automation Systems



BELFAST CABLES
THE FUTURE OF SAFE CONNECTIVITY

KNX Certified

Reliable Communication

High Quality & Durability

Seamless System Integration

OUR KNX CERTIFICATES

PROOF OF QUALITY. TRUSTED WORLDWIDE.

Belfast KNX/EIB cables are certified by KNX Association, ensuring full compliance with global standards for smart building solutions.



KNX CERTIFICATE

KNX ASSOCIATION CVBA

Constituted as the European Installation Bus Association cvba (EIBA) by the act passed on the 8th May 1990, in front of Notary Hans BERQUIN, Brussels and published in the Official Journal on the 1st June 1990.

Renamed KNX Association cvba in accordance with the relevant decisions taken at the Extraordinary General Assembly, held on the 22nd December 2005, in front of Notary Martine ROBBERECHTS of Zaventem and published in the Official Journal on the 16th March 2006.

Registered office: De Kleetlaan 5, B-1831 Diegem

Certificate of Membership

The association certifies that
BELFAST CABLES UK SOLUTIONS LTD
is a member of KNX Association until 01/06/2027

Joost Demarest, CTO
KNX Association

Brussels, date
21/04/2026

KNX
Smart home and building solutions.
Global. Secure. Connected.

Join us
www.knx.org

Please verify authenticity of this certificate via consulting the KNX Web pages.



KNX CERTIFICATE OF CONFORMITY

CERTIFICATE No: **864/23017/26**

Delivered to

BELFAST CABLES UK SOLUTIONS LTD
UNITED KINGDOM

This is to certify that the underneath listed product:

2 PAIR, 0.8MM, EIB BUS KNX CABLE, OVERALL SHIELDED

Order number: **BCS1217/ BCS1218**
EIB logo: **Yes**
KNX logo: **Yes**
KNX Secure logo: **No**

has been satisfactorily assessed under the rules of the KNX certification system against the requirements of the KNX Specifications v3.0.5 based on the Report No **4961200-KNX-Cable** from **18/09/2026**

The certificate holder is granted right of entry of the above product into the KNX register of qualified products (established for the first time on **18/09/2026**).

The certificate holder may use the KNX or EIB (see above) trademark in accordance with the relevant trademark rules, as laid down in the KNX trademark and certification documentation (KNX issue 02/2006).

Subject to continuing compliance with the rules and the declaration previously given this certificate has an unlimited validity.

Joost Demarest, CTO
KNX Association

Brussels, date
22 September 2026

This certificate is not transferable and remains property of KNX Association CV. KNX Association CV has no liability for product failures after product registration or certification

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Smart home and building solutions.
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KNX / EIB CABLE

PVC / LSZH (FRNC)

FLAME - RETARDANT POLYVINYLE CHLORIDE (PVC)

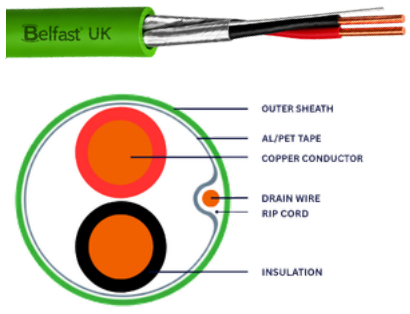
LOW SMOKE ZERO HALOGEN (LSZH FRNC)

Overall shielded bus cable with 0.8 mm solid bare copper conductors.
For KNX / EIB, EHS and building automation system installations.

PVC

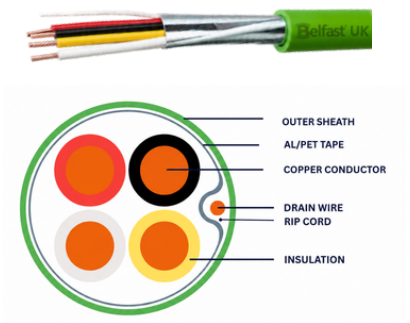
BCS1219

Ref. BCS1YE00819
1 PAIR / 2 CORES



BCS1217

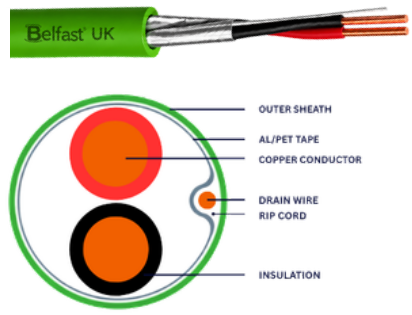
Ref. BCS1YE00820
2 PAIR / 4 CORES



LSZH (FRNC)

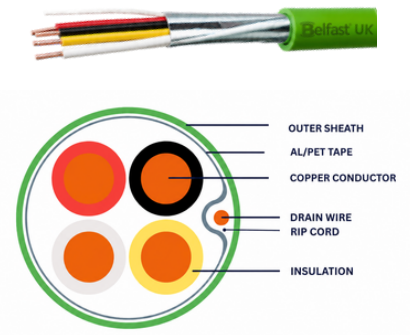
BCS1220

Ref. BCS1YE00905
1 PAIR / 2 CORES



BCS1218

Ref. BCS1YE00906
2 PAIR / 4 CORES



CABLE CONSTRUCTION

1. **CONDUCTOR**
   0.8 mm diameter, solid bare copper
2. **INSULATION**
   Polyethylene (PE)
3. **WRAPPING**
   Polyethylene terephthalate (PET) foil
4. **OVERALL SCREEN**
   Aluminium / polyester, 100% coverage
5. **DRAIN WIRE**
   Solid tinned copper wire
6. **RIP CORD**
   Nylon yarn
7. **OUTER JACKET**
   Flame - retardant polyvinyl chloride (PVC)
   Low Smoke Zero Halogen (LSZH FRNC)

- **JACKET COLOUR**
  Green, RAL 6018
- **STANDARD SUPPLY LENGTHS**
  305 m or 500 m

STANDARD REFERENCES

PVC	LSZH (FRNC)
(BS) EN 50290-2 IEC 60228, IEC 60332-1-2 & IEC 60332-1-3 UL 1581 RoHS Directives	(BS) EN 50290-2 IEC 60754-1&2 IEC 60228 IEC 61034 IEC 60332-3-24 UL 1685 RoHS Directives

TECHNICAL SPECIFICATIONS

PARAMETER / UNIT	BCS1219	BCS1217	BCS1220	BCS1218
ELECTRICAL CHARACTERISTICS	**PVC**		**LSZH (FRNC)**	
Max. mutual capacitance (pF/m)	99pF/m	99pF/m	100pF/m	100pF/m
DC resistance/core at 20 °C (Ω/km)	38Ω/km	38Ω/km	36Ω/km	36Ω/km
Min. insulation resistance* (MΩ/km)	104 MΩ	99MΩ	102MΩ	102MΩ
DC loop resistance (Ω/km)	74.5	73.6	73.6	73.6
Inductance (µH/m)	0.75 µH/m	0.75 µH/m	0.78 µH/m	0.78 µH/m
Operating voltage (V rms)	300 V (Vrms)			
PHYSICAL / MECHANICAL / ENVIRONMENTAL				
Operating temperature (°C)	-25°C to +75°C			
Nominal cable weight (kg/km)	38	40	52	57
Nominal insulation thickness (mm)	0.4mm	0.4mm	0.3mm	0.4mm
Nominal sheath thickness (mm)	1.2mm	1.2mm	1.2mm	1.2mm
Nominal overall diameter (mm)	5.15mm	5.80mm	5.10mm	5.80mm
Min. bend radius, installation (mm)	56mm	60mm	56mm	62mm
Max. pulling tension (N)	49	60	52	100

BELFAST ACCREDITED BY :



Belfast®

THE FUTURE OF SAFE CONNECTIVITY

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London, WC2H 9JQ, UNITED KINGDOM

BELFAST CABLES UK SOLUTIONS LTD

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