



KAYBE®

Right transmission for the future

KNX CABLES

Reliable cabling solutions
for seamless connectivity
and smart building
automation.



RELIABLE SIGNAL
TRANSMISSION



HIGH QUALITY
BARE COPPER
CONDUCTORS



DURABLE PVC
INSULATION



DESIGNED FOR SECURITY
& SAFETY SYSTEMS



COMMERCIAL
BUILDINGS



SECURITY
SYSTEMS



BUILDING
AUTOMATION



PUBLIC ADDRESS
SYSTEMS



INDUSTRIAL
APPLICATIONS



PRODUCT CATALOG

<https://kaybenetworking.com/bms-control-speaker-cables/>



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
KAYBE NETWORKING LLP
is a member of KNX Association until 01/06/2027

Joost Demarest, CTO
KNX Association

Brussels, date
09/06/2026

A handwritten signature in black ink, appearing to read 'J. Demarest', is written over a faint, dotted world map background.



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www.knx.org

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

KNX CERTIFICATE OF CONFORMITY

CERTIFICATE No: **865/22933/26**

Delivered to

KAYBE NETWORKING LLP
INDIA

This is to certify that the underneath listed product:

KNX 1P 1*2*0.8

Order number: -

EIB logo: **No**

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 **50188263001** from **09/10/2018**

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 **15/06/2026**).

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
16 June 2026



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



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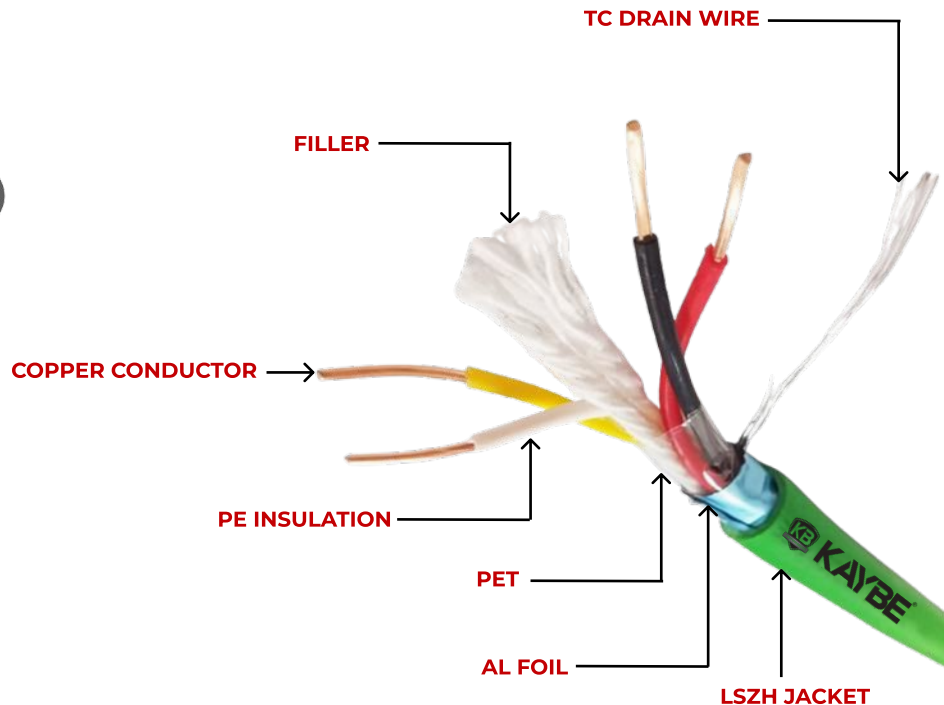


SINGLE PAIR (2 CORES) KNX/EIB, LSZH SHEATHED JACKET CABLE

PRODUCT NO.: 1P2080KE

DESCRIPTION: 1Pair KNX Cable, 305meters

The KAYBE Single Pair KNX/EIB cable is a high quality communication cable used with a variety of system products for reliable and high speed data communications. KNX/EIB cables are widely used in integrated Audio/Video Intercoms and security cameras, Home automation, Lighting control and Guest room management systems.



ELECTRICAL & PHYSICAL CHARACTERISTICS

Conductor Resistance D.C. @ 20°C	37.7 Ω/km
Operating Temperature Range	-40°C ~+70°C
Insulation Resistance @ 20°C	200 MΩ·km
Operating Voltage V	250V
Min Bending Radius	8 times
Max Pulling Tension	50N/mm2

CONSTRUCTION DATA SHEET

Type	KNX 1X2X0.8
CONDUCTOR	
Conductor Material	Bare Copper Solid
Conductor size (mm)	1 Pair – 0.8±0.01
INSULATION	
Insulation material	PE
Insulation diameter (mm)	1.4±0.05
Average Thickness (mm)	0.30
Insulation Identification	Black,Red
PAIR TWIST	
Pair Twist	Red - Black
FILLER	
Filler material	Cotton
WRAPPING TAPE	
Wrapping tape material	PET Tape
DRAIN WIRE	
Drain wire material	Tinned Copper
Drain wire size (mm)	7/0.16±0.01mm
SHIELDING	
Shield material	AL/PET
RIP CORD	
Rip cord	Yes
JACKET	
Jacket material	LSZH
Jacket Diameter (mm)	4.8±0.3
Average Thickness (mm)	0.80
Color	Green

STANDARD REFERENCES FOR THE CABLE

Flame Retardant	IEC 60332-1- Single Cable IEC 60332 – 3 – Multiple cables
Low Smoke Generation	IEC 61034-1 IEC 61034-2
Halogen Gas Emission	IEC 60754-1 IEC 60754-2
ROHS compliant	Yes
Jacket Material tested	Low Smoke Zero Halogen - Green

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	LENGTH
1P2080KE-LS	Single Pair KNX, LSZH Sheathed Jacket	305meters / 1000ft
1P2080KE-PVC	Single Pair KNX, Shielded, PVC Jacket	305meters / 1000ft

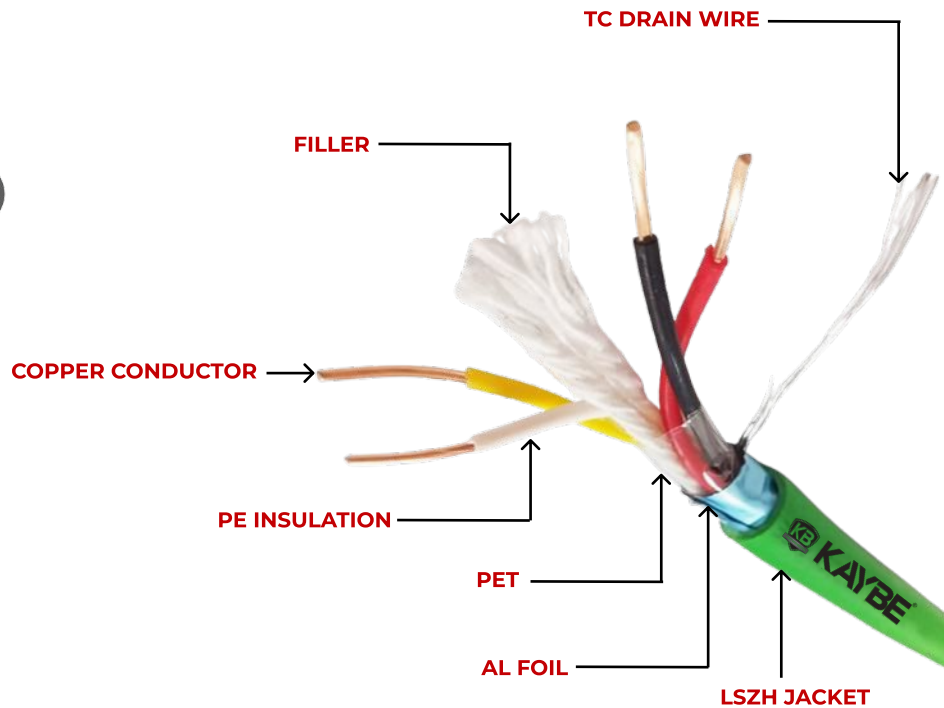


2PAIRS, QUAD, 20AWG KNX / EIB CABLE, LSZH SHEATHED

PRODUCT NO.: 2PQ-4080KE

DESCRIPTION: 2Pairs KNX Cable (2P), 305meters

The KAYBE 2-Pairs Quad KNX/EIB Cable with 20AWG conductors is engineered for reliable data transmission in smart building automation systems. Its Flame Retardant insulation and sheath provide robust protection and flexibility for easy installation in a variety of environments. Designed for efficient communication and long-term durability, it ensures stable performance for KNX/EIB applications.



ELECTRICAL & MECHANICAL PERFORMANCE

Inner Conductor DCR (20°C)	≤36 Ω / Km
Capacitance (Cond. to Cond.)	50 pF / m, Max.
Voltage withstand (Cond. to Cond.)	1000VDC, 1 min.
Voltage withstand (Cond. to Shield)	1000VDC, 1 min.
Operating Temp. Range	-20C to 70C
Flame Rating	IEC 60332-1-2

CONSTRUCTION DATA SHEET

CONDUCTOR	
Material	Annealed Bare Copper, Oxygen Free Copper
Construction	0.8mm
AWG Size	20AWG
Cross Section Area	0.5mm2
INSULATION	
Material	Polyethylene-PE
Nom. Insulation OD.	1.4±0.05mm
Nom. Insulation thickness	0.3mm
PAIR TWIST	
Pair Twist	Red-Black, White-Yellow
LAYING-UP	
Laying-up	Red-Black, White-Yellow
FIRST SHIELD	
Material	PET tape. Helical wrapping, coverage ≥ 100%
DRAIN WIRE	
Material	1/0.4mm Tinned Copper wire, between 1st & 2nd shielding
SECOND SHIELD	
Material	AL/pet tape. Helical wrapping, coverage ≥ 100%
JACKET	
Material	LSZH/FR-PVC, Green, RAL 6018
Jacket Diameter (mm)	6.8±0.4
Jacket Extruding	Rounded tube jacket
PACKING LENGTH	
	305M or 500M Plywood Reel
PRINTING	
	KAYBE Networking (India) KNX 2x2x0.8mm LOW SMOKE HALOGEN FREE EN 60332-1-2 497/15174/18 ROHS COMPLIANT 001M.....305M

STANDARD REFERENCES FOR THE CABLE

Flame Retardant	IEC 60332-1- Single Cable IEC 60332 – 3 – Multiple cables
Low Smoke Generation	IEC 61034-1 IEC 61034-2
Halogen Gas Emission	IEC 60754-1 IEC 60754-2
ROHS compliant	Yes
Jacket Material tested	Low Smoke Zero Halogen - Green

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	LENGTH
2PQ4080KE-LS	2PAIRS, QUAD, 20AWG KNX / EIB Cable, LSZH Sheathed	305meters / 1000ft
2PQ4080KE-PVC	2PAIRS, QUAD, 20AWG KNX / EIB Cable, LSZH Sheathed	305meters / 1000ft 500meters/ 1640ft



KAYBE[®]
Right transmission for the future

38 YEARS

OF TRUST, QUALITY & PERFORMANCE



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CERTIFIED QUALITY. TRUSTED WORLDWIDE.