



THE LIFELINE OF SMART AUTOMATION



Application:

- Lighting and Climate Control
- Sun Protection Systems and Blinds
- Security and Alarm Management
- Energy Monitoring and Optimization
 - Audio & Video Integration
- Remote Services and Smart Monitoring



Customer Relations Service at:
sales@ersekablo.com.tr



ERSE KABLO SAN. & TİC. A.Ş.

Head Office

Halil Rifat Paşa Mh. Yüzer Havuz Sk. No: 5-9
Şişli, İstanbul / Türkiye
T. +90 (212) 320 26 80 (pbx)

Factory

Ortaköy Sanayi Bölgesi Elif Sk. No: 12
Silivri, İstanbul / Türkiye
T. +90 (212) 734 37 00 (pbx)

f x i n y / [ersekablo](https://www.ersekablo.com.tr)

sales@ersekablo.com.tr

[ersekablo.com.tr](https://www.ersekablo.com.tr)



KNX CERTIFIED CABLES
The Lifeline of Smart Automation



Smart Solutions for the Best Quality





KNX Certified Cable: The Lifeline of Smart Automation

The demand for comfort and versatility in the management of heating, lighting and access control systems for a family home as well as an office complex is growing. At the same time, the efficient use of energy is becoming increasingly important. People want a comfortable, sustainable and safe place to live and work and that's where automation jumps in.

In most cases the device, e.g. a switch initiating an action, and the device, e.g., a lamp, are installed at different places. The distance can be bridged by wires.

In today's modern homes and offices, automation is no longer a luxury - it's a necessity. The demand for reliable, flexible, and sustainable solutions is rising fast. That's why KNX-certified cable has become a cornerstone of intelligent building control systems.

All KNX - certified equipments undergo testing and certification to meet standards. Only products that fulfill these criteria are allowed to use the KNX logo, ensuring their quality, reliability, and guaranteed interoperability with other KNX equipment.

Why Choose KNX Certified Cable?

- **Seamless Compatibility:** Fully integrates with all KNX devices - no matter the brand.
- **Certified Quality:** The KNX logo represents rigorous third-party testing for performance and reliability.
- **Energy Efficiency:** Enables precise and intelligent control of all automation systems.

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Easy Setup for Complex Solutions

Built on standardized data types and protocols, KNX-certified cable ensures that installation and commissioning. The vendor-independent nature of KNX means maximum flexibility and compatibility across devices.

A Global Standard, Locally Powerful

KNX isn't just a cable - it's a shared language of smart devices around the world. Its open protocol integrates components from multiple manufacturers, letting you build secure, scalable, and intelligent spaces with ease.



KNX EIB-H(St)H (HCHM)



1x2x0,80 mm
2x2x0,80 mm

CERTIFICATE No: 783/21498/25
CERTIFICATE No: 783/21497/25



CONSTRUCTION

Conductor		IEC 60228 Class 1 Electrolytic Solid Copper (0,80mm Ø)			
Insulation		EN 50290-2-23 PE Compound			
Colour Code	2 CORES	Black Red			
	4 CORES	Red White Black Yellow			
Stranding		1x2x0,80 mm Pairwise 2x2x0,80 mm Star Quad			
Overall Screen		PES Tape + Tinned Copper Drain Wire (0,40mm) + Al-PES Tape			
Sheath		EN 50290-2-27 HFFR Compound			
Colour of Sheath		RAL 6018 Green			
Temperature Range		-30°C ~+70°C			
Operating Voltage		300 V			
Flame Retardant Test		IEC 60332-1-2			
Smoke Density Test		IEC 61034-2			
Corrosive Gas Test		IEC 60754-2			
Halogen Free Test		IEC 60754-1			
EMC (Electromagnetic Compatibility)		Yes			

Maximum Signal Attenuation

Max.Signal Attenuation ≤ 50 kHz	dB/km	max.15
Max.Signal Attenuation 50-500 kHz	dB/km	max.35
Max.Signal Attenuation 0,5-5 MHz	dB/km	max.95
Max.Signal Attenuation 5-25 MHz	dB/km	max.200



KNX EIB-2Y(St)Y (YCYM)



1x2x0,80 mm
2x2x0,80 mm

CERTIFICATE No: 783/21500/25
CERTIFICATE No: 783/21499/25



CONSTRUCTION

Conductor		IEC 60228 Class 1 Electrolytic Solid Copper (0,80mm Ø)			
Insulation		EN 50290-2-23 PE Compound			
Colour Code	2 CORES	Black Red			
	4 CORES	Red White Black Yellow			
Stranding		1x2x0,80 mm Pairwise 2x2x0,80 mm Star Quad			
Overall Screen		PES Tape + Tinned Copper Drain Wire (0,40mm) + Al-PES Tape			
Sheath		EN 50290-2-22 PVC Compound			
Colour of Sheath		RAL 6018 Green			
Temperature Range		-30°C ~+70°C			
Operating Voltage		300 V			
Flame Retardant Test		IEC 60332-1-2			
EMC (Electromagnetic Compatibility)		Yes			

Maximum Signal Attenuation

Max.Signal Attenuation ≤ 50 kHz	dB/km	max.15
Max.Signal Attenuation 50-500 kHz	dB/km	max.35
Max.Signal Attenuation 0,5-5 MHz	dB/km	max.95
Max.Signal Attenuation 5-25 MHz	dB/km	max.200

