



Product Description

- KNX TP1 Cable 0.8mm x 2C, Standardized TP1 cable
- Overall metal foil screen with aluminum mylar

Product Features

- High performance of transmission.
- High quality of safety property.
- Sweep frequency up to 25MHz.
- Suitable for building environments.
- Maximum usable cable length 1000M



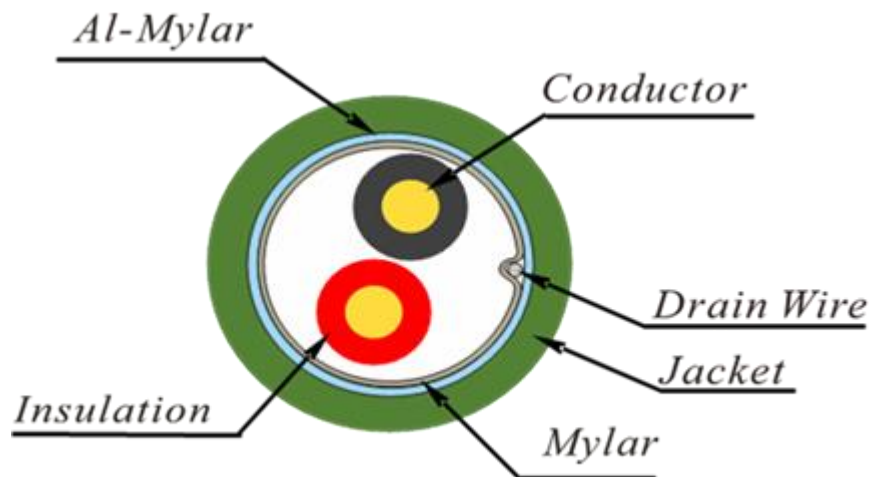
Application

- For commercial and residential building automation, KNX cable can connect lighting, blinds and shutters, HVAC, security systems, energy management, audio video, white goods, displays, remote control, etc.

Applicable Standard

- KNX Standard
- EN 50575 (Eca)
- IEC EN 61034
- IEC EN 60754-2

Sectional Drawing



**Material and Construction**

Conductor	Material	Solid bare copper	
	Diameter	0.81 ± 0.01 mm	
Insulation	Material	Polyethylene (PE)	
	Color code & diameter	Red	1.60 ± 0.03 mm
		Black	1.60 ± 0.03 mm
Assembly	Description	Left hand direction	
Shield	Material	Mylar tape	
Drain wire	Material	26AWG solid tinned copper	
Shield	Material	Al Mylar tape	
	Description	100 % coverage and mylar side facing out	
Jacket	Material	LSZH	
	Diameter	4.70 ± 0.20 mm	
	Thickness	0.55 ± 0.05 mm	
	Color	Green RAL 6018	
Marking	WONDERFUL KNX TP1 CABLE 1X2X0.8MM SHIELD LSZH CPR Eca MMYX XXXXM		

Usage & Environmental Condition

Temperature range	Storage & shipping	-20°C to 60°C
	Installation	0°C to 60°C
	Operation	-20°C to 60°C
Minimum bending radius	≥ 8 times of overall diameter	
Maximum pulling tension	≤ 110 N	

Physical & Electrical Characteristics (at 20°C)

Temperature rating	60°C
Spark test	2.5 KV DC
AC leakage current through overall jacket	≤ 10mA (1.5KV AC)
Cable cold bend	-20°C for 4 hr
Conductor DC resistance	≤ 33.9 Ω/km