

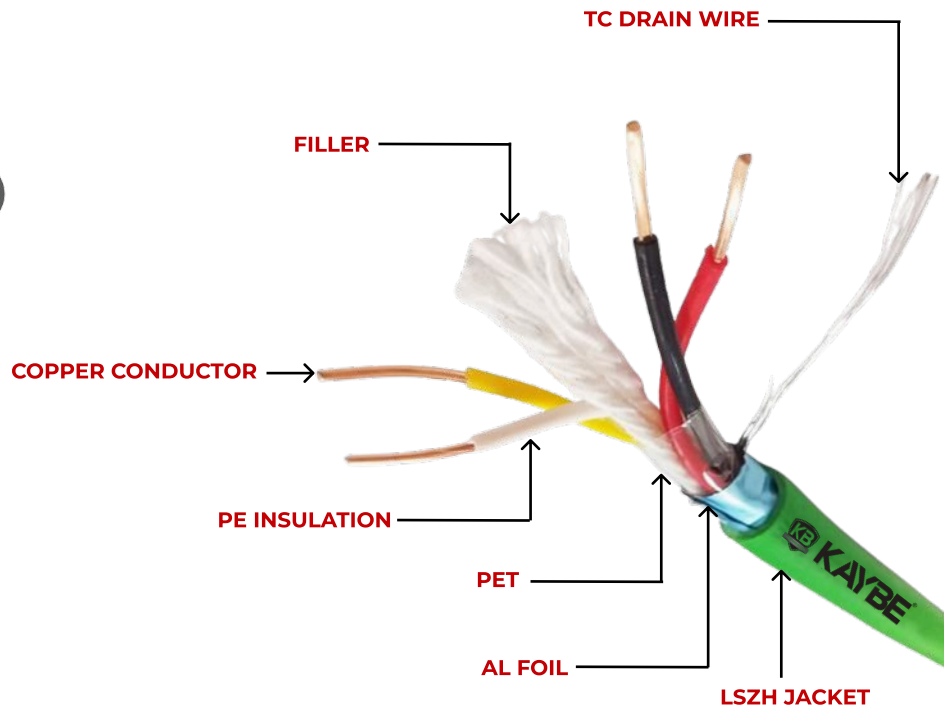


2PAIRS, QUAD, 20AWG KNX / EIB CABLE, LSZH INSULATED & SHEATHED

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
Color codes & Cabling	White & Red & Yellow & Black, 4cores twisted in a quad
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
Nom. O.D.	6.0±0.3mm
Jacket Extruding	Rounded tube jacket
PACKING LENGTH	
305M or 500M Plywood Reel	

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 Insulated & Sheathed	305meters / 1000ft
2PQ4080KE-PVC	2PAIRS, QUAD, 20AWG KNX / EIB Cable, LSZH Insulated & Sheathed	305meters / 1000ft 500meters/ 1640ft