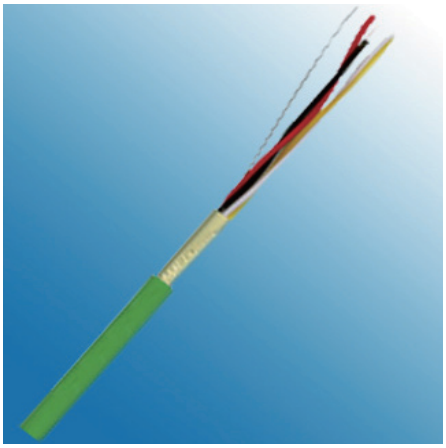
E.I.B Cable
(European Installation Bus)

Application:



EIB installation consists of sensors and actuators. The E.I.B. concept allows intergration of Building Management Systems (B.M.S.) over one common system. Lighting, blinds, heating and ventilation can be automatically controlled through the E.I.B cable. This dramatically reduces the cabling required in a modern building. To meet European standards this cable is LSHF throughout. They can be installed over, in, or below the plaster, in pipes and pipe ducts, in dry, moist, and wet areas, as well as outside, provided they are protected against direct exposure to the sun.

Construction:

Type/Cable Construction	1 Quad	2 Pair
Inner Conductor	Plain copper conductors 0.8mm	Plain copper conductors 0.8mm
Conductor Insulation	Polyethylene	Polyethylene
Conductor Colors	White,yellow,red,black	White,yellow,red,black
Stranding Element	Cores twisted into a quad	Cores twisted into pairs, pairs laid up
Core Wrapping	-	-
Shielding	Aluminium/polyester foil screen	Aluminium/polyester foil screen
drain wire	Solid copper	Stranded tinned copper
Outer Jacket	Low Smoke Halogen Free	Low Smoke Halogen Free
Sheath Colour	Green	Green

Electrical Data:

Test Voltage	4KV
Working Voltage	Max.150V
Conductor resistance	37.0 Ohm/km @ 20°C
Insulation resistance	1000MΩhms*km @ 20°C
Mutual capacitance@800Hz	100nF/km max
Unbalanced capacitance	300pF/100m max

Technical Data:

Weight	approximately 62.0 kg/km	approximately 57.0 kg/km
Min. Bending Radius (Laying)	10 x OD mm	10 x OD mm
Operating temperature, min	-20°C(fixed)	-5°C (installation)
Operating temperature, max	+70°C(fixed)	+50°C(installation)