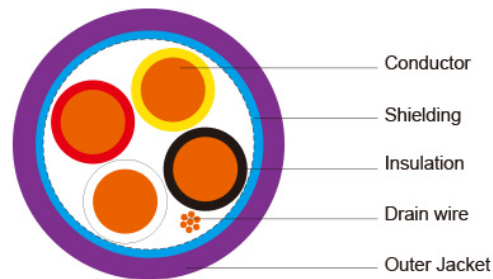


**E.I.B Cable(European Installation Bus)**



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

**Electrical Data:**

<b>Test Voltage</b>	4KV
<b>Working Voltage</b>	Max.150V
<b>Conductor resistance</b>	37.0 Ohm/km @ 20°C
<b>Insulation resistance</b>	1000MΩhms*km @ 20°C

<b>Mutual capacitance@800Hz</b>	100nF/km max
<b>Unbalanced capacitance</b>	300pF/100m max

Technical Data:

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