

Home and Building Automation Cables

EIB-Y(St)Y



Application

- In places where human life, valuable materials and equipments need to be protected.
- In crowded indoor environments.
- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Indoor communication systems.
- Indoor sound systems.
- Security and fire alarm systems.

Cable Construction

- 1- Conductor : Class 1 electrolytic solid copper (IEC 60228, DIN VDE 0295, EN 60228)
- 2- Insulation : PVC compound (VDE 0815, EN 50290-2-26)
- 3- Stranding : Two pairs are stranded into a star-quad, above two pairs are stranded together in layers.
- 4- Wrapping : Polyester tape
- 5- Screen : Tinned copper earthing wire, Al/PET tape
- 6- Outer Jacket : UV resistant PVC outer jacket. RAL 6018 (Green)

Technical Characteristics

Cross Section	Conductor Resistance (20 °C) Ω/km	Insulation Resistance (20 °C) M Ω/km	Mutual Capacitance nF/km	Operating Voltage V DC	Test Voltage (1 minute) V DC
0.80 mm	73.2	100	100	300	800

Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-30°C ~ +70°C

Standards

Flame Retardancy Test
IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2

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Part Number	Pair Count	Conductor Cross Section (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.641.02.2.0.0.2 0.D1Gb.02	2	0.80	5.2	20	43	500/1000