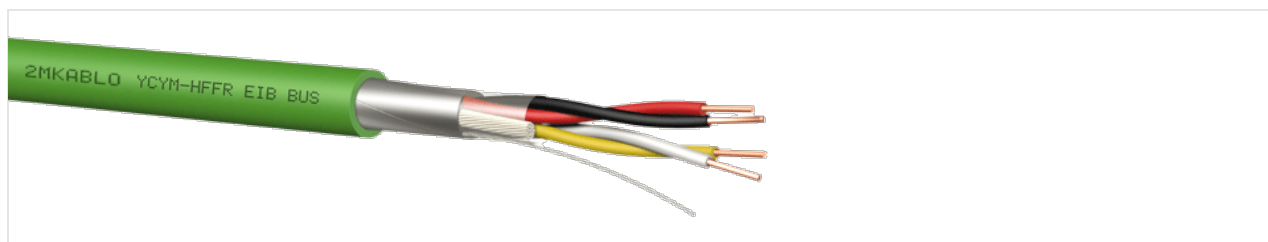


YCYM-HFFR EIB BUS



Areas of Use

Used in European Installation Bus systems in buildings/smart buildings for automation purpose of lighting, heating, ventilation, security, and voice announce systems. PVC and HFFR are available upon request. HFFR versions are less flammable in case of fire, mostly self-extinguishing, have low smoke density and they do not emit poisonous and corrosive gasses during a fire.

Cable Construction

| | |
|--------------|---|
| Conductor | 0.80 mm Annealed Solid Copper (EN 60228, Class 1) |
| Insulation | HFFR (EN 50290-2-27, VDE 0207 Part 24 Type HM2) |
| Core Colors | Pair 1: Red / Black Pair 2: White / Yellow |
| Separator | PET Foil |
| Drain Wire | 0.40 mm Solid Tinned Copper |
| Screen | Al-PET Foil |
| Outer Sheath | HFFR (EN 50290-2-27), RAL 6018 - Green |

Technical Properties

| | |
|-----------------------------|---------------------|
| Operating Voltage | ≤250 V |
| Test Voltage | 1000 V |
| Conductor Resistance | ≤36.6 Ω/km |
| Insulation Resistance | >100 M.Ωxkm |
| Capacitance (@800Hz) | ≤100 nF/km |
| Temperature Range | -30 °C.....+70 °C |
| Smoke Density | IEC/EN 61034-1+2 |
| Corrosive Gases Measurement | IEC/EN 60754-2 |
| Min. Bending Radius (Fixed) | 10 x Cable Diameter |
| Flame Retardancy | IEC/EN 60332-1-2 |

Cross Section

| Configuration / Cross-Section (mm/mm ²) | Cable Diameter (mm) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|----------------------------|-------------------------|--------------------------|
| 1x2x0.8+0.40 | 5,0 | 10 | 36 |
| 2x2x0.8+0.40 | 5,4 | 19 | 56 |

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