# 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/mm²)	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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