



Technical Specification

Cable Type: 2x2x0.8/1.53 F/UTP 100Ω Indoor FR-LS0H Cable

WW P/N: HF802G60

Revision: 06/25 Date: 22/04/2025



Fieldbus KNX/EIB compatible cable, for fixed installations, data transmission, communication & control in connected devices and systems.

The cable contains 2 pairs in quad formation, overall shielded with aluminum foil and jacketed with FR-LS0H compound for indoor use. Suitable for KNX systems.

Physical Description

Basic conductor	Solid, bare annealed copper 0.8 mm nom. (20 AWG / 0.50 mm ²)
Insulation	Solid PE, 0.365 mm nom. wall thickness
Insulation O.D	1.53 mm nom.
Conductors lay up	2 pairs cabled in a quad formation
Color code	Red, Yellow, White, Black
Separator	Polyester tape, providing 100% coverage with 25% overlap
Overall shield	Polyester-aluminum foil, providing 100% coverage with 25% overlap, aluminum face in
Drain wire	Solid, 0.61 mm nom. (22 AWG), tin-coated copper wire, laid in close contact under the aluminum foil
Outer jacket	Flame retardant, halogen-free (FR-LS0H) compound for indoor use.
Color	Green, RAL 6018
Jacket thickness	0.60 mm min.
Jacket diameter	5.5 mm nom.
Surface marking	WESTERN WIRE HF802G60 2x2x0.8 F/UTP KNX/EIB compatible LS0H INDOOR CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Batch Number] [Sequential Meter Mark] METER

Mechanical Properties

Bend radius	8xD min.
Operating temperature range	-35 to +70°C
Installation temperature range	-0 to +60°C
Flame test	IEC 60332-1
Smoke emission	IEC 61034-1/2
Corrosive gas	IEC 60754-1/2
Total weight	50 kg/km nom.

Electrical Properties

DC resistance	36.6 Ω/km max.
Resistance unbalance	2% max.
Mutual capacitance (core to core)	100 pF/m max. @ 1 kHz
Insulation Resistance	5 GΩ•km min. @ 500 Vdc
Dielectric strength	2.5 kV/minute - conductor to conductor 2.5 kV/minute - conductor to shield
Attenuation	3.5 dB/100 meter @ 727 kHz 6.0 dB/100 meter @ 4 MHz 20.0 dB/100 meter @ 25 MHz
Voltage rating	72 Vdc max

This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)