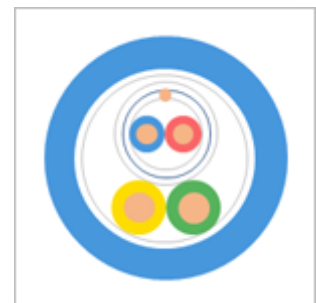
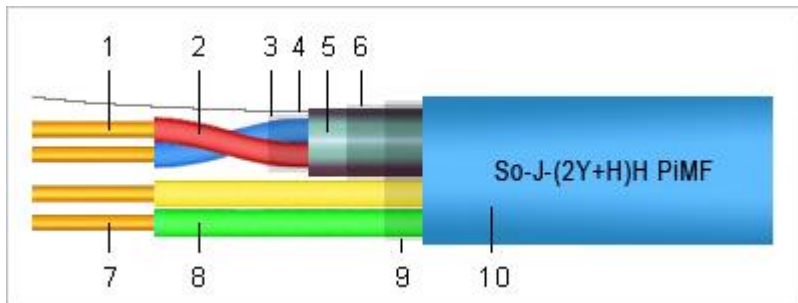


DATASHEET

So-J-(2Y+H)H PiMF 1x(2x0,8)+2x1,0 mm² BU Bus cable



Structure

- > 1 Solid bare copper conductor (\varnothing nom. 0,8 mm for signal transmission)
- > 2 Halogen-free polyolefin (PE) core insulation (\varnothing ca. 1,4 mm red and blue)
Cores twisted to a pair (Twisting direction Z axis)
- > 3 Polyester plastic (PET) foil wrapping over the cores
- > 4 Tinned solid copper drain wire (\varnothing ca. 0,5 mm)
- > 5 Polyester plastic coated aluminium (AL/PET) foil electrostatic screening
- > 6 Polyester plastic (PET) foil wrapping over the inside
- > 7 Solid bare copper conductor (Cross-section nom. 1,0 mm² for power supply)
- > 8 Halogen-free polyolefin (FRNC) core insulation (Yellow and green)
- > 9 Polyester plastic (PET) foil wrapping over the inside
- > 10 Halogen-free polyolefin (FRNC) outer sheath, blue colour RAL 5012/5015 (BU) with imprint:
"So-J-(2Y+H)H PiMF 1x(2x0,8)+2x1,0 mm² BU Bus cable, Lot number, Meter number"

Dimensions

Conductor structure nominal	Outer \varnothing nominal mm	Conductor resistance at 20 °C Ω /km	CU weight nominal kg/km	Weight approx. kg/km
1x2x0,8 mm + 2x1,0 mm ²	7,2	<39,0 + <21,0	31,0	73

Application


Bus cable is used in the intelligent building system technologies, industrial networks, information processing systems, measurement, regulation and control applications. Suitable for the analogue or digital transmission of data and signals.

This cable is preferably used for indoor installation, but also in the open air for fixed installation on outer walls of buildings - provided it is protected against direct exposure to the sun.

DATASHEET

So-J-(2Y+H)H PiMF 1x(2x0,8)+2x1,0 mm² BU Bus cable

Properties

- > Solid bare copper conductors, AL/PET foil screened pair (*PiMF*) with polyethylene (*PE*) core insulation and flame retardant, non-corrosive (*FRNC*) polyolefin insulated cores, FRNC polyolefin outer sheathed cable.
- > Cable is in accordance with standards:
EN 50575:2014 reaction to fire;
EN 13501-6 fire classification.
- > The special characteristic of this bus cable is a data pair and a power supply pair are integrated in one cable.
- > AL/PET foil electrostatic screening, sign of (*St*), protects the transmission circuits against external electrical interferences. The drain wire is in contact with the inner aluminum surface of the foil.
- > The bus cable is REACH compliant as well as meeting the requirements of other legislation such as the RoHS Directive. The materials used in this cable are cadmium-free and contain no silicone and do not represent health hazards and minimize the environmental impact.
- >  Product meets all the legal requirements for CE marking and can be sold throughout the European Economic Area (*EEA*).

Technical data

Peak working voltage:	48 V
Test voltage:	800 V eff. (<i>core/core, core/screening, AC 50 Hz</i>)
Temperature range:	Fixed installation -30 °C to +70 °C
Insulation resistance:	Min. 10,000 MΩ x km (<i>data pair</i>) Min. 100 MΩ x km (<i>power supply pair</i>)
Impedance:	100 Ω ± 15% (<i>data pair</i>)
Mutual capacitance:	At 800 Hz max. 100 nF / km
Minimum bending radius:	Fixed installation 10 x cable Ø

Packaging

In coil or drum.