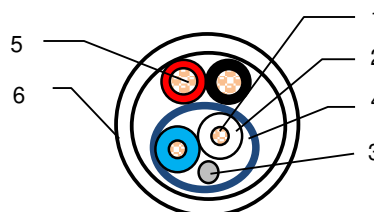


(1PR 0,5mm²+2x1,5mm²) LSZH



Applications

- Communication bus and control cable

Construction & Dimensions

0.5mm² Pair KNX

1. Inner Conductor

Material	stranded bare copper 0,5mm ²
Dimension	7x0.32 mm

2. Insulation

Material	PE
Diameter over insulation	1.9 mm
Colour of insulation	blue and white
Number of twists pair	Minimum 15 twists / mtr.

3. Drain wire

Material	Solid tinned copper 0.4 mm
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4. Foil (Beldfoil®)

Material	Aluminium / Polyester
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5. 1.5mm² wires

Conductor	Stranded bare copper
Dimension	7x0.50 mm
Material insulation	FRNC/LSZH
Diameter over insulation	1.90 mm
Colour of insulation	Red and Black

6. Sheath

Material	Tube extruded
Colour	FRNC (UV stabilised)
Diameter	White
Print legend colour	8.0 mm +/- 0.30 mm
Print (once each meter)	Yellow
	HVAC POWER & BUS 2x1,5mm ² + 2x0,5mm ²
	BELDEN YE05280 Cca-s1,d1,a1 WWYY
	+ "METERMARKING"

Mechanical characteristics

Parameter	Specification	Unit
Flame resistance	IEC 60332-1-2	
Reaction to fire according EN 50575	Cca-s1,d1,a1	
Smoke emission	IEC 61034	
Halogen content according to IEC 60754-1	zero	
Corrosivity of fire gasses according to IEC 60754-2		
- Conductivity	≤ 100	μS/cm
- pH value	≥ 2.5	
Burning load	920	kJ/m
Temperature range installing	-15 to +70	°C
Temperature range operating (fixed installation)	-30 to +70	°C
Minimum bending radius	10 x cable diameter	mm

Electrical characteristics

Parameter	Specificati	Unit
Nominal resistance conductor 0.5mm ²	36	Ω/km
Nominal resistance conductor 1.5mm ²	13.5	Ω/km
Nominal capacitance conductor to conductor 0.5mm ² pair	< 100pF/m	pF/m
Voltage rating	100	V

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2011/65/EU, 02 Jan. 2013); this is valid for all material produced after the RoHS compliant date for this product.

