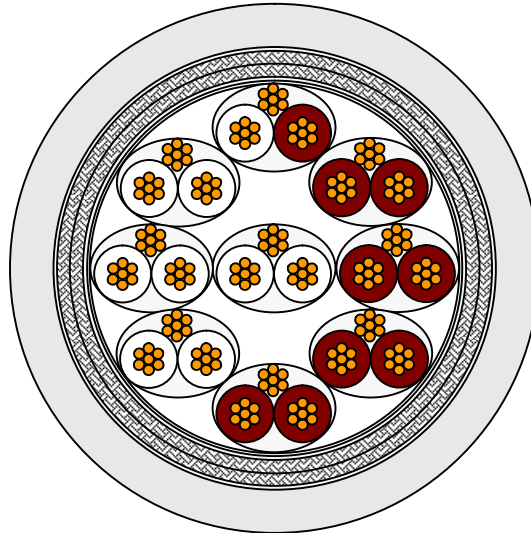


Li-2Y(ST)CC(ST)H 9x2x0.5mm²

Symmetrical FRNC cable for data transmission



Application

Flame resistance

Fire retardance acc. to IEC 60332-3-24

Construction

Conductor	Stranded copper wires, bare, 0.5 mm ² (16x 0.2 mm Ø)
Insulation	PE, 1.7 mm Ø
Identification	Coloured with number marking
Twisting	2 cores to the pair
Pair shielding	Laminated AL-foil + tinned copper drain wire 0.5 mm ²
Stranding	1+8 shielded pairs to the core
Wrapping	PET-foil
Shielding	1 laminated AL-PET-AL foil
Braiding	2 tinned copper braids, single braid wire 0.2 mm Ø
Shielding	1 laminated AL-PET-AL foil
Outer sheath	FRNC, grey, 14.6 mm Ø

Li-2Y(ST)CC(ST)H 9x2x0.5mm²

Mechanical properties

Operating temperature	- 25 °C to + 70 °C
Bending radius during installation	
- without load	5x D (D= cable outer diameter)
- with load	10x D (D= cable outer diameter)

Electrical properties

at 20°C

Conductor resistance	37.5 Ω/km
Mutual capacitance	80 nF/km
Characteristic impedance at 1 MHz centre pair	65 Ω
Attenuation at	
1 MHz	3.3 dB/km
10 MHz	7.5 dB/km
Near- end crosstalk at 1 MHz	80 dB/km
Operating voltage	250 V DC
Test voltage (3s)	
Conductor/ conductor	1 kV DC
Conductor/ screen	2 kV DC
Insulation resistance	≥ 10 GΩ*km

Technical data

Material code	Type	Dimension	Outer diameter mm	Standard length m	Weight kg/km	Copper content
tbd	Li-2Y(ST)CC(ST)H	9x2x0.5mm ²	14.6	1000	400	268.2