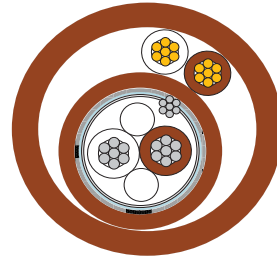


### DATA TRANSMISSION CABLES LI2Y(S)CH (RS-485) + 2x2,5



#### APPLICATION

- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines

**EMC:** Electromagnetic compatibility. With their flexible construction they can easily be used in narrow spaces. These cables are not suitable for outdoor installations.

**RS485:** It is a well-known interface standard. It is designed for serial data exchange between two devices. Data can be transmitted 1200 meters by a suitable cable. Data transmission speed: 1200 mt= 100 Kbps 12 mt= 10 Mbps. It allows data transmission up to 100 kbps. RS: Recommended standard.

Good EMC Characteristics/ Flame Retardant Characteristic/ Low Smoke Emission  
Without Poisonous and Corrosive Gases/UV Resistant

#### TECHNICAL CHARACTERISTICS

1 - (RS485) Conductor	: IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Tinned Copper (7x0,25mm)
2 - (RS485) Insulation	: EN 50290-2-23 PE Compound
3 - (RS485) Insulation Colour	: DIN 47100
4 - (RS485) Stranding	: Pairwise
5 - (RS485) Wrapping	: PES Tape
6 - (RS485) Screen	: Tinned Copper Drain Wire (7x0,20 mm) + Al-PES Tape
7 - (RS485) Screen	: Tinned Copper Wire Braiding (85% Coverage)
8 - (RS485) Sheath	: EN 50290-2-27 HFFR Compound
9 - (RS485) Sheath Colour	: RAL 8001 Brown
10 - 2,5 mm <sup>2</sup> Conductor	: IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper
11 - 2,5 mm <sup>2</sup> Insulation	: EN 50290-2-26 HFFR Compound
# - 2,5 mm <sup>2</sup> Insulation Colour	: DIN 47100
# - Overall Stranding	: Sheathed (RS485) + 2X1,5
14 - Overall Sheath	: EN 50290-2-27 HFFR Compound
15 - Overall Sheath Colour	: RAL 8001 Brown
16 - (RS485) Test Voltage	: 1000 V
17 - Temperature Range	: -40°C~+70°C (Fixed Laying)
18 - (RS 485) Conductor Resistant	: 57,1 <sup>1</sup> (Ω/km)
19 - (RS 485) Insulation Resistant	: 500 (MΩxkm)
20 - (RS485) Current Load	: 4,5 A
21 - (RS485) Velocity of Propagation	: 67%
22 - (RS485) Impedance	: 120 Ω ±15%
23 - (RS485) Mutual Capacity	: 42,1 (pF/m)
24 - 2,5 mm <sup>2</sup> Conductor Resistant	: 7,98 <sup>1</sup> (Ω/km)
25 - 2,5 mm <sup>2</sup> Current Load	: 25 A
26 - Min. Bending Radius	: 10 x D
27 - Operating Voltage	: 300 V
28 - Flame Retardant Test	: IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
29 - Flame Propagation Test	: IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
30 - Smoke Density Test	: IEC 61034-2, VDE 0482-1034-2, EN 61034-2
31 - Corrosive Gas Test	: IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
32 - Halogen Free Test	: IEC 60754-1, VDE 0482-754-2, EN 60754-2
33 - UV Resistant	: Yes

Cross Section (mm <sup>2</sup> )	Overall Diameter (mm)	Approx. Weight (kg/km)
1x2x0,34+2x2,5	10,20±%10	145