

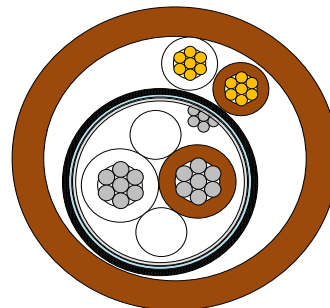
DATA TRANSMISSION CABLES
LI2Y(ST)CH (RS-485) + 2x2,5

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 - 2,5 mm² Conductor	: IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper
9 - 2,5 mm² Insulation	: EN 50290-2-26 HFFR Compound
10 - 2,5 mm² Insulation Colour	: DIN 47100
11 - Overall Stranding	: (RS485) + 2X2,5
12 - Overall Sheath	: EN 50290-2-27 HFFR Compound
13 - Overall Sheath Colour	: RAL 8001 Brown
14 - (RS485) Test Voltage	: 1000 V
15 - Temperature Range	: -40°C~+70°C (Fixed Laying)
16 - (RS 485) Conductor Resistant	: 57,1 '(Ω/km)
17 - (RS 485) Insulation Resistant	: 500 (MΩxkm)
18 - (RS485) Current Load	: 4,5 A
19 - (RS485) Velocity of Propagation	: 67%
20 - (RS485) Impedance	: 120 Ω ±15%
21 - (RS485) Mutual Capacity	: 42,1 (pF/m)
22 - 2,5 mm² Conductor Resistant	: 7,98 '(Ω/km)
23 - 2,5 mm² Current Load	: 25A
24 - Min.Bending Radius	: 10 x D
25 - Operating Voltage	: 300 V
26 - Flame Retardant Test	: IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
27 - Flame Propagation Test	: IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
28 - Smoke Density Test	: IEC 61034-2, VDE 0482-1034-2, EN 61034-2
29 - Corrosive Gas Test	: IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
30 - Halogen Free Test	: IEC 60754-1, VDE 0482-754-2, EN 60754-2
31 - UV Resistant	: Yes
32 - Cable Marking	: kabeltec Sensor 2x2,5+1x2x0,34 RS485 UV RoHS CC @UE/@OK CCCCC mt

Cross Section (mm²)	Overall Diameter (mm)	Approx. Weight (kg/km)	Product Code
1x2x0,34+2x2,5	9,00±%10	121	to be confirmed