

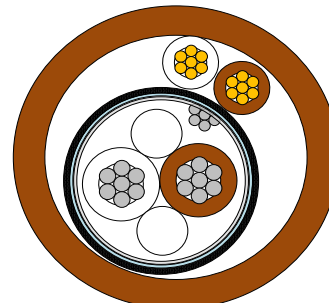
DATA TRANSMISSION CABLES
LI2Y(St)CH (RS-485) + 2x1,5

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

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| 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 - 1,5 mm ² Conductor | : IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper |
| 9 - 1,5 mm ² Insulation | : EN 50290-2-26 HFFR Compound |
| 10 - 1,5 mm ² Insulation Colour | : DIN 47100 |
| 11 - Overall Stranding | : (RS485) + 2X1,5 |
| 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 - 1,5 mm ² Conductor Resistant | : 13,3 ' (Ω/km) |
| 23 - 1,5 mm ² Current Load | : 20 A |
| 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 2x1,5+1x2x0,34 RS485 UV RoHS CC @UE/@OK CCCCC mt |

Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)	Product Code
1x2x0,34+2x1,5	8,60±%10	100	to be confirmed