

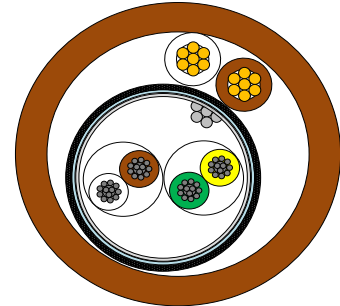
## DATA TRANSMISSION CABLES LI2Y(St)CH (RS-485) + 2x2,5

### 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, Pairs In Layers  |
| 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 mm <sup>2</sup> Conductor            | : IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper             |
| 9 - 2,5 mm <sup>2</sup> Insulation           | : EN 50290-2-26 HFFR Compound  |
| 10 - 2,5 mm <sup>2</sup> 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 mm <sup>2</sup> Conductor Resistant | : 7,98 (Ω/km)  |
| 23 - 2,5 mm <sup>2</sup> Current Load        | : 25 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 2x2,5+2x2x0,34 RS485 UV RoHS CC @UE/@OK CCCC mt                          |

Cross Section (mm <sup>2</sup> )	Overall Diameter (mm)	Approx. Weight (kg/km)	Product Code
2x2x0,34+2x2,5	10,6±%10	145	MEKA147300600250C