

TECHNICAL/SPECIFICATION DATA SHEET

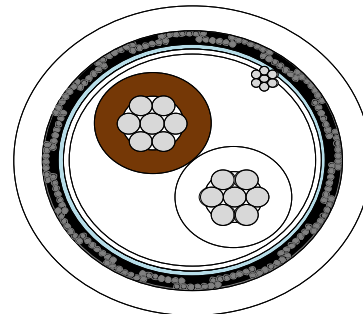
DATA TRANSMISSION CABLES LI2Y(St)CH (RS-485)

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.

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 Retardent Characteristic/ Low Smoke Emission/ Without Poisonous and Corrosive Gases/ UV Resistant

TECHNICAL CHARACTERISTICS

1 - Conductor	: IEC 60228/ DIN EN 60228/ EN 60228 Class 2 Stranded Electrolytic Tinned Copper
2 - Insulation	: EN 50290-2-23 PE Compound
3 - Insulation Colour	: DIN 47100
4 - Stranding	: Pairwise, Pairs In Layers
5 - Overall Wrapping	: PES Tape
6 - Overall 1. Screen	: Tinned Copper Drain Wire + Al-PES Tape
7 - Overall 2. Screen	: Tinned Copper Wire Braiding (90% Coverage)
8 - Sheath	: EN 50290-2-27 HFFR Compound
9 - Sheath Colour	: RAL 9003 White
10 - Min. Bending Radius	: 10 x D
11 - Operating Voltage	: 300 V
12 - Test Voltage	: 1200 V
13 - Temperature Range	: -30°C~+70°C (Fixed Laying)
14 - Velocity of Propagation	: 67%
15 - Impedance	: 120 Ω ±15%
16 - UV Resistant	: Yes
17 - Flame Retardant Test	: IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
18 - Flame Propagation Test	: IEC 60332-3-25, DIN EN 60332-3-25, BS EN 60332-3-25, EN 60332-3-25
19 - Smoke Density Test	: IEC 61034-2, VDE 0482-1034-2, EN 61034-2
20 - Corrosive Gas Test	: IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
21 - Halogen Free Test	: IEC 60754-1, VDE 0482-754-2, EN 60754-2
22 - Reaction To Fire	: Eca
23 - Performance Class	: Eca
23 - Cable Marking	: kabeltec LI2Y(St)CH 1x2x0,34 mm ² (RS485) UV RoHS CE @UE/@OK CCCCC mt

Cross Section (mm ²)	Overall Diameter (mm)	max. Conductor Resistance (Ω/km)	min. Insulation Resistance (MΩxkm)	Current Load (A)	Mutual Capacity (nF/km)	Approx. Weight (kg/km)	Product Code
1x2x0,34	5,30±%10	56,0	5000	4,5	42,1	41	242010034WS