kabeltec

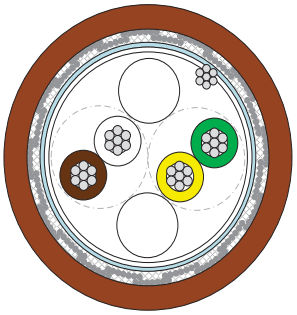
TECHNICAL/SPECIFICATION DATA SHEET

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 designedfor 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 MbpsIt allows data transmission up to 100 kbpsRS: 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 (7x0,25 mm)
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 (7x0,25 mm) + 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 8001 Brown
10 -	Min.Bending Radius	:	10 x D
11 -	Operating Voltage	:	300 V
12 -	Test Voltage	:	1200 V
13 -	Temperature Range	:	-30ºC~+70ºC (Fixed Laying)
14 -	Current Load	:	4,5 A
15 -	Velocity of Propogation	:	67%
16 -	Impedance	:	120 Ω ±10
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 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
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 -	UV Resistant	:	Yes

Cross Section (mm²)	*Overall Diameter (mm)*	*Conductor Resistance (Ω/km)*	*Insulation Resistance (MΩxkm)*	*Mutual Capacity (nF/km)*	*Approx. Weight (kg/km)*
1x2x0,34	5,30±%10	56,0	5000	42,1	42
2x2x0,34	7,40±%10				65