

## LI2Y(St)CH (RS 232 - 422)



### Areas of Use

Used for transmission of the data signal in computer, information and communication systems as well as process control for computer systems and terminals. HFFR versions are less flammable in case of fire, mostly self-extinguishing, have low smoke density and they do not emit poisonous and corrosive gasses during a fire.

### Cable Construction

<b>Conductor</b>	0.22 mm <sup>2</sup> Stranded Tinned Copper (7x0.20 mm AWG 24), 0.34 mm <sup>2</sup> Stranded Tinned Copper (7x0.25 mm AWG 22)
<b>Insulation</b>	PE (EN 50290-2-23, VDE 0207-2Y11)
<b>Core Colors</b>	DIN 47100 (4 cores colors, white, yellow, brown, green)
<b>Lay-up</b>	Cores are twisted as pairs and pairs are stranded in layers
<b>Separator</b>	PET Foil
<b>1. Screen</b>	Al-PET Foil (with stranded tinned copper drain wire)
<b>2. Screen</b>	Tinned Copper Wire Braid
<b>Outer Sheath</b>	HFFR (EN 50290-2-27), RAL 7001 - Grey

### Technical Properties

<b>Operating Voltage</b>	300 V
<b>Test Voltage</b>	1200 V
<b>Velocity of Propagation</b>	0,66
<b>Insulation Resistance</b>	>5000 M.Ωxkm
<b>Capacitance (@800Hz)</b>	Core - Core: ≤52 nF/km, Core - Cores - Screen: ≤90 nF/km
<b>Characteristic Impedance</b>	100±10 Ω
<b>Loop Resistance</b>	AWG 24: ≤182 Ω/km; AWG 22: ≤115 Ω/km
<b>Temperature Range</b>	-30 °C.....+70 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1
<b>Smoke Density</b>	IEC/EN 61034-1
<b>Amount of Halogen Acid Gas</b>	IEC/EN 60754-1
<b>Corrosive Gases Measurement</b>	IEC/EN 60754-2
<b>Min. Bending Radius (Fixed)</b>	10 x Cable Diameter

### Cross Section

Configuration / Cross-Section (mm/mm <sup>2</sup> )	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.22	5.8	15	42
2x2x0.22	8.2	24	67
3x2x0.22	8.7	30	79
4x2x0.22	9.5	36	93

1x2x0.34	6.1	18	47
2x2x0.34	8.7	30	76
3x2x0.34	9.2	38	92
4x2x0.34	10.2	46	111

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