



# HALLEY CABLES

## LI2Y(St)CYÖ-uv-fl PIMF \*EMC

### Data Cables 300/500 V

PE insulated, screened, data cable



### Construction:

Conductor	: tinned copper wires (7x0,30 mm SnCu).
Insulation	: PE compound, 2Y1.
Core identification	: white-blue, white-orange.
Pair	: two conductors twisted to a pair.
PIMF construction	: polyester tape above the pair, AL-PES tape over the drain wire (7 wires) 24 AWG stranded (7x32).
Layer-up	: PIMF laid up in layers of optimum pitch.
Separator	: polyester tape.
Screen	: with drain wire (7 wires) 24 AWG stranded (7x32) under the AL-PES tape.
Screen	: braid of tinned CU wires, 90% coverage.
Outer sheath	: PVC compound, UV and oil resistant.
Sheath colour	: RAL 7001, Grey.

### Technical data and tests:

Rated voltage	: 0,22 mm <sup>2</sup> : 350 V;
	≥ 0,25 mm <sup>2</sup> : 500 V;
	U <sub>o</sub> /U ≥ 0,50 mm <sup>2</sup> : 300/500 V.
Test voltage	: 0,22 mm <sup>2</sup> : 1200 V;
	≥ 0,25 mm <sup>2</sup> : 1500 V;
	≥ 0,50 mm <sup>2</sup> : 2000 V.
Temperature range	: fixed : - 30° C ~ + 70° C;
	mobile : - 5° C ~ + 70° C.
Min. bending radius	: fixed : 6 x D;
	mobile : 15 x D.
Insulation resistance	: min. 5000 MΩ/km.
Mutual capacitance	: d/d 0,22 mm <sup>2</sup> : max. 120 pF/m;
	d/d 0,25 mm <sup>2</sup> : max. 140 pF/m;
Inductance	: ~ 0,4 Mh/km;
Impedance	: ~ 85 Ω.

### Standards:

Cable	: VDE 0812 & VDE 0814 & VDE 0245.
Conductor	: IEC 60228 Class 2;
	DIN EN 60228 Class 2.
Insulation	: VDE 0207-2 (2,20 mm).
Flame test	: IEC 60332-1 & DIN EN 60332-1.
	IEC 60332-3 & DIN EN 50266-2-4.
Sunlight resistance	: IUL 1581 section 1200.
Oil resistance	: ICEA S-82-552.

**\*Electromagnetic compatibility**

Any other construction available upon request.





#### Applications:

These screened flexible data cable is used in instrumentation and control engineering; in industrial electronics, computers, security systems, information and transmission systems, office machines and for voice frequency transmission. The screen provides protection against external pulses. These cables are not intended for outdoor or underground installation.

DIMENSIONS			
No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x2x20AWG	11	62	160

20 AWG = 0,50 mm<sup>2</sup>

**\*Electromagnetic compatibility**

Any other construction available upon request.

