



# HALLEY CABLES

## LI2Y(St)CYSWAYÖ-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).
Lay-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.
Inner sheath	: PVC compound, 70° C.
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).
Inner sheath	: EN 50290-2-22.
Flame test	: IEC 60332-1 & DIN EN 60332-1. IEC 60332-3 & DIN EN 50266-2-4.
Sunlight resist.	: UL 1581 section 1200.
Oil resistance	: ICEA S-82-552.

### \*Electromagnetic compatibility

Any other construction available upon request.





### Applications:

This cable is used for low capacitance computer cable for RS-485 applications. These cables are recommended for direct burial.

DIMENSIONS				
No. of cores x cross section mm <sup>2</sup>	Approx. bedding diameter mm	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x2x20AWG	11	15.9	62	460

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

*\*Electromagnetic compatibility*

Any other construction available upon request.

