

Data and connection cables

ULData® LIYCY

PVC Screened data transmission cable with colour code acc. to DIN 47100



GOOD EMC* CHARACTERISTIC/FLEXIBLE CABLE DESIGN/REDUCED OUTER DIAMETER/SMALL BENDING RADIUS/
FLAME RETARDANT CHARACTERISTIC



APPLICATION

In places where electro-magnetic interference and influence exists

- Instrumentation and Control Engineering
- Industrial Electronics
- Computers and Office Machines
- Indoor Communication Systems
- Indoor Sound Systems
- Security Systems

CONSTRUCTION

- 1-Conductor** IEC 60228; DIN VDE 0295; EN 60228 Class 5
Stranded Electrolytic Bare Copper
- 2-Insulation** EN 50290-2-21 PVC Compound
- 3-Colour Code** DIN 47100
- 4-Stranding** In layers of optimum pitch
- 5-Wrapping** Pes Tape
- 6-Screen** Tinned Copper Braid
- 7-Sheath** EN 50290-2-22 PVC Compound
- 8-Sheath Colour** RAL 7001 Grey

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE		INSULATION RESISTANCE	MUTUAL CAPACITANCE		IMPEDANCE	INDUCTANCE	CURRENT CARRYING CAPACITY		OPERATING VOLTAGE	TEST VOLTAGE
mm ²	Ω/km	MΩxkm	mm ²	pf/m	78Ω	0,67mH/km	mm ²	A		
0,22	79	0,22mm ² /0,34mm ² = 200 ≥ 0,50mm ² = 20	0,22	110			0,22	2,5	0,22mm ² /0,34mm ² = 250V ≥ 0,50mm ² = 300/500V	0,22mm ² /0,34mm ² = 1200V ≥ 0,50mm ² = 2000V
0,34	56		0,34	110			0,34	4,5		
0,50	39		0,50	120			0,50	6,0		
0,75	26		0,75	120			0,75	13		
1,0	19,5		1,0	130			1,0	16		
1,5	13,3		1,5	140			1,5	20		
2,5	7,98		2,5	150			2,5	25		

BENDING RADIUS	TEMPERATURE RANGE	FLAME RETARDANT TEST	EMC*
10x Cable Ø	- 30°C - +70°C	IEC 60332-1-2 DIN EN 60332-1-2 EN 60332-1-2	ELEKTROMANYETİK UYUMLU ELECTROMAGNETIC COMPATIBILITY

NOTES

With its flexible design it can easily be used in narrow spaces.

These cables are not suitable for outdoor use.

LIYCY-OZ: Without green/yellow earthing core.

LIYCY-JZ: With green/yellow earthing core.