



Description

The LiYCY cables comply with the construction product classification criteria according to the EU CPR Regulation 305/2011 and EN 50575, being those indicated for carrying out fixed installations, in which an electromagnetic protection is required in order to avoid signal distortions. They are useful for inverters controlling and commanding applications, electrovalves, automatons and machines start-up, contactors, temperature as well as intensity and voltage regulating in motorized valves. Its high flexibility turns them suitable for complex and very difficult installations.
Reference Standards: VDE 0812

Applications

- Appropriate for the following installations:
- Data transfer systems
 - Electronic controlling and signals
 - T systems
 - Weighing machines, etc.

Technical Characteristics

1. Conductor	Flexible electrolytic copper (Class V) in accordance with UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	PVC type A in accordance with UNE 21123, VDE 0812 and IEC 60502-1
3. Metallic armour	Tinned copper braid with a coverage of 85% upon a polyester lamina
4. Sheath	PVC type ST-1 in accordance with UNE 21123 and IEC 60502-1
Nominal voltage	300/500 V
Test voltage	2.000 V A.C.
Maximum temperature	70 °C

Other characteristics

- Light grey cover RAL 7032
- Approximate inductance 0.65 mH/km
- Altering approximate capacity 120 nF/km Conductor/conductor
- Altering approximate capacity 160 nF/km Conductor/Shield
- Specific insulation resistance $\geq 20\text{Gohm} \times \text{cm}$
- Colours in accordance with DIN 47100
- Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2
- CPR Classification according to EN 50575

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
2x0,5	39	5,20	41	Eca
2x0,75	26	6,00	47	Eca
3x0,5	39	5,75	50	Eca
3x0,75	26	6,20	56	Eca
4x0,5	39	6,60	59	Eca
4x0,75	26	6,60	67	Eca
5x0,5	39	7,05	69	Eca
5x0,75	26	7,15	79	Eca
6x0,5	39	7,30	80	Eca
6x0,75	26	7,65	92	Eca
7x0,5	39	7,55	87	Eca
7x0,75	26	7,65	108	Eca
8x0,5	39	8,50	109	Eca
8x0,75	26	8,80	115	Eca
10x0,5	39	8,60	114	Eca
10x0,75	26	8,80	148	Eca
12x0,5	39	9,15	131	Eca
12x0,75	26	9,35	157	Eca
16x0,5	39	10,20	165	Eca
16x0,75	26	10,45	212	Eca
20x0,5	39	11,30	199	Eca
20x0,75	26	11,60	257	Eca
25x0,5	39	11,70	236	Eca
25x0,75	26	12,15	282	-
30x0,5	39	12,90	278	Eca
30x0,75	26	13,30	363	Eca
36x0,5	39	15,50	326	Eca
36x0,75	26	14,45	390	-