

YCY / 05VC4V-K



Description

YCY cables are 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, UNE-EN 50525, UNE 21031-5 and IEC 60502-1

Applications

Appropriate for the following installations:

- Electronic equipment connections
- T system connections
- Variable-speed driver connections
- Weighing machine connections, 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	Copper braid with a coverage of 70% upon a polyester lamina
4. Sheath	PVC type ST-1 in accordance with UNE 21123 and HD603S1
Nominal voltage	300/500 V
Test voltage	2.000 V A.C.
Maximum temperature	70 °C

Other characteristics

Colours in accordance with UNE 21089 (marked with colours when less than 5) and HD 308S2

Colour in accordance with UNE-EN 50334 (marked by inscription for more than 5 conductors) and EN 50334

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

|YCY-JZ: Black numbered conductors with Yellow/Green

YCY-OZ: Black numbered conductors without Yellow/Green

YCY-JB: Conductor colours in accordance with HD308S2 with Yellow/Green

YCY-OB: Conductor colours in accordance with HD308S2 without Yellow/Green

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
2x1	19,5	6,10	47	Eca
3x1	19,5	6,90	68	Eca
4x1	19,5	7,90	91	Eca
5x1	19,5	8,50	107	Eca
6x1	19,5	9,80	138	Eca
7x1	19,5	9,80	151	Eca
8x1	19,5	10,50	169	Eca
10x1	19,5	11,40	205	Eca
12x1	19,5	12,10	237	Eca
14x1	19,5	12,35	255	Eca
16x1	19,5	13,50	300	Eca
19x1	19,5	13,90	331	Eca
24x1	19,5	15,65	417	Eca
30x1	19,5	17,00	504	-
37x1	19,5	18,75	619	-
45x1	19,5	20,10	732	-