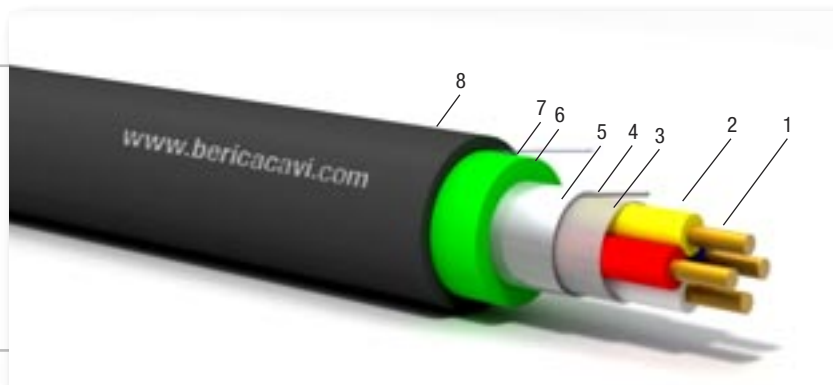


## Cables for home automation systems, Al/Pet tape screened, halogen-free and for burial installation

**CPR**  
EU 305/2011

**Fca**

1. Conductor
2. Insulation
3. Assembling
4. Drain wire
5. Screen
6. Sheath 1
7. Stripping wire
9. Sheath 2



**APPLICATION:** Suitable for the transmission of signals and controls for the interconnection of instrumentation and control systems with transmission of digital and analog signals in outdoor environments .

**INSTALLATION:** For fixed burial outdoor installation, in humid and temporary presence of water environments. They can be installed on platforms, pipes, conduits and similar systems. They can be laid together with power cables with marking both 450/750 V and 0.6/1 kV used for systems with a nominal voltage to ground (Uo) up to 400 V.

| FEATURES                       | DESCRIPTION                                                                                            | RULES                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------|
| Conductors:                    | annealed red copper (cl. 1)                                                                            | CEI EN 60228 (Tab 9)               |
| Insulation:                    | LSZH thermoplastic compound                                                                            |                                    |
| Cores colour:                  | 1x2x Red-Black - 2x2x Red - white - black - yellow                                                     |                                    |
| Assembling:                    | Pet tape                                                                                               |                                    |
| Drain wire:                    | annealed tinned copper 1x0,40 mm                                                                       |                                    |
| Screen:                        | Al/Pet tape                                                                                            |                                    |
| Sheath 1:                      | LSZH thermoplastic compound                                                                            | CEI EN 50363                       |
| Sheath colour 1:               | green RAL 6018                                                                                         |                                    |
| Stripping wire:                | si                                                                                                     |                                    |
| Sheath 2:                      | compound termoplastico PE LSZH                                                                         | CEI EN 50363                       |
| Sheath colour 2:               | black RAL 9005                                                                                         |                                    |
| Halogen free:                  | (< 0,5 mg/g - 0,5%)                                                                                    | CEI EN 50267-2-1/2 – IEC 60754-1/2 |
| Cond-cond capacitance:         | < 100 pF/m a 10 kHz                                                                                    |                                    |
| Inductance:                    | < 0,85 µH/m a 10 kHz                                                                                   |                                    |
| DC resistance:                 | according to                                                                                           | CEI EN 60228 (Tab 9)               |
| Rated voltage Uo/U:            | 300/300 V                                                                                              |                                    |
| Max voltage:                   | 330 V                                                                                                  |                                    |
| Testing voltage:               | 4000 V (conductor+screen-water)                                                                        |                                    |
| Max working temperature:       | 70 °C                                                                                                  |                                    |
| Short circuit temperature:     | 160 °C                                                                                                 |                                    |
| Min. installation temperature: | 0 °C                                                                                                   |                                    |
| Bending radius:                | Ø x 10                                                                                                 |                                    |
| Printing:                      | BERICA CAVI S.P.A. ITALY H(St)H2Y EIB PE CEI UNEL 36762 C-4 (Uo=400 V) Fca CE Type - Year/lot - 00000m |                                    |

| TYPE N° Cores x Ø<br>N° x mm | MEDIUM Ø OUTER<br>mm | MEDIUM WEIGHT<br>kg/km | PRODUCT CODE     |
|------------------------------|----------------------|------------------------|------------------|
| 1x2x0,80                     | 7,1                  | 51                     | B66F01C080LSZHPE |
| 2x2x0,80                     | 7,6                  | 67                     | B66F02C080LSZHPE |