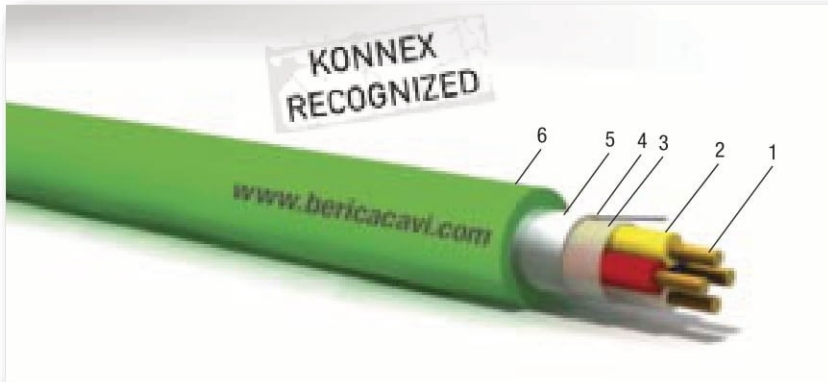


**Cables for home automation systems, Al/Pet tape screen, halogen-free**


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

**CPR**  
EU 305/2011

**Cca-s1b,d0,a1**

**APPLICATION:** Used in home automation for edificici (eg. Decentralized control of lighting, heating, air conditioning, ventilation, energy management, switches, thermostats, infrared, wind gauges etc.).

**INSTALLATION:** For fixed indoor installation in dry environments.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper (cl. 1)	CEI EN 60228 (Tab. 9)
Insulation:	LSZH compound	CEI EN 50363
Cores colour:	1x2x Red - black , 2x2x Red - white - black - yellow	
Assembling:	Pet tape	
Drain wire:	annealed tinned copper 1x0,40 mm	
Shield:	Al/Pet tape	
Sheath:	LSZH compound	CEI EN 50363
Sheath colour:	green RAL 6018	
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+shield-water)	
Max working temperature:	70 °C	
Short circuit temperature:	160 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 10	
<b>REGULATION (UE) 305/2011</b>		
System AVCP:	1+	EN 50575:2014 + A1:2016
Classification:	Cca-s1b,d0,a1	UNI EN 13501-6
Cca:	Heat release and flame spread(FS ≤ 2m)	EN 50399
s1b:	Smoke transmittance ≥ 60% <80% (TSP ≤ 50 m2 and SPR ≤ 0.25 m2 / s)	EN 50399 + EN 61034-2
d0:	No flaming droplets	EN 50399
a1:	Gas acidity (Conductivity <2.5 ms / mm and pH> 4.3)	EN 50267-2-3
	Flame propagation (H ≤ 425 mm)	EN 60332-1-2
Printing:	BERICA CAVI S.P.A. ITALY Cca-s1b,d0,a1 CE EIB H(ST)H LSZH Type Year/Lot - 00000m	

TYPE N° Cores x Ø N° x mm	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x2x0,80	6,3	52	B66C02C080LSZH

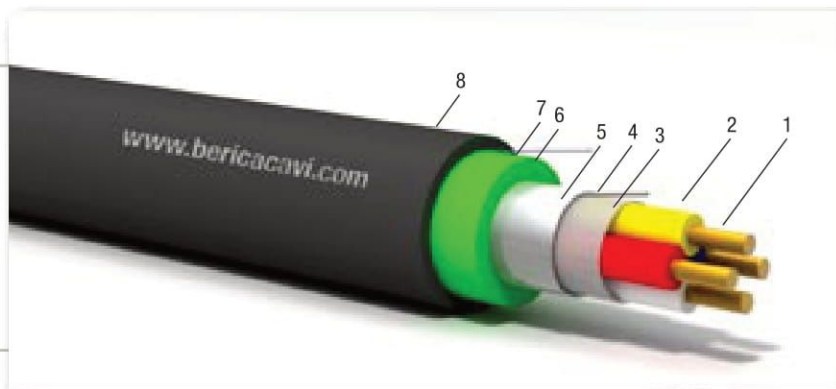
Cables for home automation systems, Al/Pet tape screened, halogen-free and for burial installation

**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 (U<sub>0</sub>) 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 U <sub>0</sub> /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(S)H2Y EIB PE CEI UNEL 36762 C-4 (U <sub>0</sub> =400 V) Fca CE Type - Year/lot - 00000m	

TYPE N° Cores x Ø N° x mm	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x2x0,80	7,6	67	B66F02C080LSZHPE