24V VDC AUTOMATION

Eca

In accordance with the European Construction Products Regulation CPR (EU) n.305/11

Reaction to fire REGULATION 305/2011/EU

- **Standard: EN 50575:2014+A1:2016 and EN 13501-6:2014**
- **Class: Eca**
- **Classification (IEC UNEL 35016): EN 13501-6:2014**
- **Vertical flame spread: EN 60332-1-2**

Test methods

CEI EN 60332-1-2:2006/A1:2016
CEI EN 60332-1-1:2006/A1:2016
EN 60332-1-2:2004/A11:2016
EN 60332-1-1:2004/A1:2015

Reference standards

CEI 20-29 IEC 60228
IEC 20-11
CEI 20-35 IEC 60332.1
CEI 20-22 II IEC 60332.3
CEI 20/37 IEC 61034-2
IEC UNEL 36762

Cable description

Fire retardant double sheathed cables for automation systems, which are installed to connect control and signalling equipment and where it is necessary to transmit signals without interference.
control and signalling equipment and where it is necessary to transmit signals that are not affected by electromagnetic interference. electromagnetic interference.
In addition, protection against UV and external interference agents is ensured by the chemical composition of the sheaths.

Conductor

Annealed red copper with flexible round cord

Core isolation

Polyvinyl chloride (PVC) R2 quality

Core colour

Red / Black / Brown / Blue / Grey / Yellow-green

Primary sheath

Polyvinyl chloride (PVC) sheathing RZ quality flame retardant

Colour Primary sheath

White

Secondary sheath

Polyvinyl chloride (PVC) sheathing RZ quality flame retardant

Colour Secondary sheath

Green / Purple / Blue / Grey / Yellow

Labeling

Stamping on conduit every 1m

Technical specifications

Rated voltage: Uo/U: 100/100 V

Test voltage: 4000 V
Maximum operating temperature: 70° C
Minimum operating temperature: -10° C

Installation conditions

Recommended minimum bending radius: 10 times the cable diameter

Packaging

- Hanks 100 metres
- Wooden reel

Conductor number N	Nominal Section mmq	External diameter mm	Indicative weight Kg/km	Electrical resistance at 20° C. Maximum Ω/Km
2	0,50	5,4	40	37,7
2	1	6,8	65	18,9
2	1,5	7,8	86	13,2
4	0,50	6,2	57	37,7
4	1	7,9	96	18,9
4	1,5	9	126	13,2
6	0,50	7,4	82	37,7
6	1	9,4	139	18,9
6	1,5	10,6	181	13,2