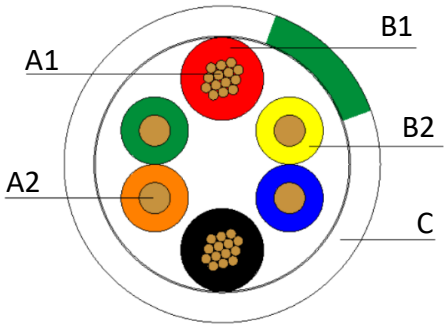
Datasheet

AJX 24

Communication cables for security systems
Standards: EU 305:2011, EN50575, CEI UNEL 36762

16th April, 2024



Physical characteristics

Construction	2x0,50mm^2 + 2x2x0,60mm

A1. Power conductor	**Materials**	**Construction**
Stranded copper wire	Cu	2 x 0,50 mm^2

A2. Signal conductor		
Solid soft annealed copper	Cu	2 x 2 x 0,60 mm

B1. Power conductor insulation	
Polyvinyl chloride	PVC
Colors	Red - Black

B2. Signal conductor insulation	
Polyethylene	PE
Colors	Yellow/Blue – Green/Orange

C. Sheath	
Material and color	See table below

Weight	See table below
Minimum bending radius	5 times overall diameter
Storage and operating temperature range	-40°C to +70°C

Electrical characteristics

Power conductors resistance	38 Ω/km
Signal conductors resistance	62 Ω/km
Power conductors capacitance	81 pF/m
Signal conductors capacitance	42 pF/m
Power conductors inductance	620 µH/km
Signal conductors inductance	850 µH/km
Characteristic impedance	140 Ω
Sheath spark test	2 kVdc

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Item	Weight [kg/km]	Outer diameter [mm]	Sheath color and material	Fire reaction classification
AJX 24 E NH	47,0	6,10	White LSZH with green stripe	Eca
AJX 24 F PE	38,9	6,10	Black PE	Fca

Condition of installation

Suitable for protected fixed installation in surface mounted or recessed ducts or similar enclosed systems.
They can be installed in a single duct or channel or walkway without the interposition of separating walls.

Cable produced in compliance with the CEI UNEL 36762 standard, therefore suitable for laying in the same conduit with circuits of electrical systems with nominal voltage to earth up to 400 V, typically 230/400 V power systems.

Rated voltage: Cable for systems cat. 0, rated operating voltage not exceeding 50 V in alternating current and 120 V in direct current (not rippled).

Ref. CPR UE 305/11 Fire reaction classification

Cables for security systems with particular fire reaction characteristics compliant with the Construction Products Regulation (CPR).
Reaction to fire classification: See reference product code in the box above to identify the relevant reaction to fire class.

Packaging

Type	Lenght	Description
SF100	100 m ± 2%	Shrink foil roll
WR500	500 m ± 2%	Wooden reel

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)