

CABLE TECHNICAL DATA SHEET



AL11222 cable for alarm systems

Description

Cable 12X0.22 shielded with aluminium/polyester foil, PVC insulation and PVC jacket with rigid drain 0.5mm.

Use

Alarm systems, magnetic contacts and sensors.

Mechanical characteristics

Conductors

# Conduct.	Section	Material
12	7X0.160	Bare copper

Insulation

Material	Thickness	Diameter	Colors
PVC	>0.20mm	1.00mm	White-red-yellow-green-grey-orange-light blue-brown-purple-black-blue-pink

Shielding

Nr.	Type	Material	Coverage
1	Foil	Aluminium/Polyester	100%

Drainage

Section	Thickness	Material
5/10	0.50mm	Bare copper

Jacket

Material	Thickness	Diameter	Color
PVC	>0.60mm	5.80mm	White

Operating temperature -15°C + 80°C

Bending radius 12XØ

Electrical characteristics

Characteristic	Value
Capacitance cond./cond.	110 pF/mt
Capacitance cond./shield	215 pF/mt
Conductor resistance (DC)	110 Ohm/Km
Max operating voltage	< 100V
Max current	1.5 A/cond. @20°C
Test voltage (1min-50Hz)	1000V

Regulations conformity

CEI 20-11; CEI 20-29; CEI 20-20; CEI 20-22/III (IEC 60332); CEI 36762; EN 50575

Marking

eRaya Sicurezza "code+description" – C-4 (Uo=400V) – CEI UNEL 36762 – CPR Eca – "lot" – "meter"

Installation

Installation in conduits or cable trays indoor, together with electrical cables, CPR Classification: Eca.

Email: info@eraya.it – www.eraya.it

Codes/Models

<i>Code</i>	<i>Description</i>	<i>Packaging</i>	<i>Weight</i>
AL11222/100	12X0.22 Shielded	Reel 100 mt	50.1 Kg/Km
AL11222/200	12X0.22 Shielded	Reel 200 mt	50.1 Kg/Km
AL11222/500	12X0.22 Shielded	Drum 500 mt	52.1 Kg/Km

Eraya Srl reserves the right to modify the technical characteristics, if necessary, without notification.

Email: info@eraya.it – www.eraya.it

Ancona, 05/05/2023



Declaration of Performance (DoP) N. AL11222/2023

1. Unique identification code of the product:

AL11222/100 – AL11222/200 – AL11222/500

2. Type, batch or serial number or any other element allowing identification of the product as required under Article 11(4):

Alarm cable PVC

3. Intended use or uses of the construction product:

Control and communication cables - Cables for general application in construction works subjected to reaction to fire requirements.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5) :

**ERAYA SRL
Via Enrico Fermi snc
60027 Osimo (AN)**

5. Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

ERAYA SRL

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

AVPC: 3

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**Standard: EN 50575:2014 + A1:2016
Notified body: 0987 – LAPI SPA**

8. Declared performance:

Flame propagation: **ECA**

Dangerous substances: **NONE**

Notified product certification body N. 0987 performed the determination of product type. This declaration of responsibility is issued, in accordance with Regulation UE No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signature:

Headquarter
Eraya S.r.l.
Via dell'Arcoveggio 59/5
40129 - Bologna (Italy)

Operational Branch
Eraya S.r.l.
Via E. Fermi s.n.c.
60027 – Osimo (Italy)