Product: 5140U1



Security & Sound, #14-1pr, TC, CL3-FPL-PLTC, Water-Blocked

Product Description

Security & Sound Cable, Rated-CL3-FPL-PLTC, 1-14 AWG stranded tinned copper pair with PVC insulation, Waterblocking tape, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Fire Alarm (Red Jkt), Power-Limited Controls, Wet Location, Below-Grade Duct

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	14 AWG	19x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.120 in (3.05 mm)	Black & Red

Waterblocking:	Waterblock Tape

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.356 in (9.04 mm)

Overall Cable Diameter (Nominal):	0.356 in (9.04 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Pair(s)	3.05 Ohm/1000ft	31 pF/ft (100 pF/m)

Voltage

UL Voltage Rating
300 V (CL3, FPL, PLTC-ER)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
3.6 in (91 mm)	3.6 in (91 mm)

Max. Pull Tension:	95 lbs (43 kg)
Bulk Cable Weight:	59 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 760, Article 800
CEC / C(UL) Compliance:	CL3
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.431 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	UPC
5140U1 0101000	Black	612825157205
5140U1 0021000	Red	612825157182

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