



REPRESENTATIVE IMAGE

Product: [2451RW](#)

Indoor/Outdoor Stadium, Line Level Audio Cable, 1 Pr #22 Str TC, O/A Foil, CPE Jkt, CMR, Waterblocked

Product Description

Line Level Audio Cable, 1 Pair 22 AWG (7x30) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, Waterblocking Tape, CPE jacket, CMR

Technical Specifications

Product Overview

Suitable Applications:	Line level audio; Low voltage analog signals; Dual-purpose indoor/outdoor with no transition, Below-grade, Wet locations
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.046 in (1.2 mm)	Black & Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Waterblocking:	Waterblock Tape
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Outer Jacket

Material	Nom. Thickness	Nom. Diameter
CPE - Chlorinated Polyethylene	0.023 in (0.58 mm)	0.158 in (4.01 mm)

Overall Cable Diameter (Nominal):	0.158 in (4.01 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Delay	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.5 Ohm/1000ft (47.6 Ohm/km)	34 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	45 Ohm	1.5 ns/ft	0.17 µH/ft (0.56 µH/m)	66%	2.9 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt:	14.1 Ohm/1000ft (46.3 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	13 lbs/1000ft (19 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Water Exposure/Below-Grade Conduit, Indoor, Outdoor, UV Resistance, Aerial - When supported by messenger wire
Flammability / Reaction to Fire:	UL1666 Riser
NEC / UL Compliance:	Article 800, CMR
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Print legend includes sequential footage marks.
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History

Update and Revision:	Revision Number: 0.168 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
2451RW 0101000	Black	Reel	1,000 ft	612825384847	
2451RW 0105000	Black	Reel	5,000 ft	612825384854	C Z

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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