Product: [9451](#) ⧉

Audio Cable, 1 Pair 22 AWG TC, Shielded, Riser

REPRESENTATIVE IMAGE

Product Description

Audio Cable, 1 Pair 22 AWG stranded (7x30) tinned copper pair, polypropylene insulation, Beldfoil® shield, drain, Riser, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Automatic Stripping Equipment; Low Voltage analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, …); Line Level audio; Computer Communication; Panel Wiring

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	PP - Polypropylene	0.009	Black & Red

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in	0.135 in

Cable Diameter (Nominal):	0.135 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Max. Current
Pair(s)	14.1 Ohm/1000ft	35 pF/ft	67 pF/ft	45 Ohm	2.9 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	14.3 Ohm/1000ft

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

1.5 in	1.4 in	
Max. Pull Tension:	27 lbs	
Bulk Cable Weight:	14 lbs/1000ft	

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1666 Vertical Shaft, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMR
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	9451P

Product Notes

Notes:	For cross-connect, use with 1814R (et. al.) Snake Cables.

History

Update and Revision:	Revision Number: 0.361 Revision Date: 08-25-2020

Mouser Electronics

Authorized Distributor

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