



REPRESENTATIVE IMAGE

Product: [1502P](#)

Media Control, 1 Pair 22 AWG TC, 2 Cond. 18 AWG, Plenum

Product Description

Multimedia Control Cable, 1 Pair 22 AWG stranded (7x30) tinned copper (data) with foam FEP insulation, Beldfoil® shield w/ drain, 2 Conductor 18 AWG stranded (16x30) tinned copper conductor (power) with Flamarrest® insulation, Plenum, Flamarrest® jacket

Technical Specifications

Product Overview

Suitable Applications: Multi-Media & Lighting Automation / Control, AMX™ and Crestron® Control Systems

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	22	7x30	TC - Tinned Copper
Conductor(s)	2	18	19x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.023 in (0.58 mm)	0.074 in (1.9 mm)	Blue & White, Red & Black
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.068 in (1.7 mm)	Red & Black

Inner Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Shield Material

Material

No Shield

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.205 in	No

Cable Diameter (Nominal): 0.205 in (5.21 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Max. Current
Pair(s)	16.3 Ohm/1000ft (53.5 Ohm/km)	14 pF/ft (46 pF/m)	38 pF/ft (120 pF/m)	100 Ohm	3.8 Amps per Conductor at 25°C (22 AWG); 7.2 Amps per Conductor at 25°C (18 AWG)
Conductor(s)	6.9 Ohm/1000ft (23 Ohm/km)	29 pF/ft (95 pF/m)			

Voltage

UL Voltage Rating

300 V

Mechanical Characteristics

Temperature

Operating
-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	59.8 lbs (27.1 kg)
Bulk Cable Weight:	31 lbs/1000ft (46 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Fire Resistance:	NFPA 262, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	1502R

Product Notes

Notes:	Sequential footage marking every two feet.
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History

Update and Revision:	Revision Number: 0.331 Revision Date: 06-08-2021
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