



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
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Construction Details

Conductor

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

Insulation

Element	Material	Nom. 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
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.068 in (1.7 mm)	Red & Black

Inner Shield

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

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.205 in (5.21 mm)

Overall Cable Diameter (Nominal):	0.205 in (5.21 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	18.2 Ohm/1000ft	17.42 Ohm/1000ft (57.15 Ohm/km)	14 pF/ft (46 pF/m)	38 pF/ft (120 pF/m)	100 Ohm	6 Amps per conductor @ 30°C
Conductor(s)	6.9 Ohm/1000ft (23 Ohm/km)		29 pF/ft (95 pF/m)			14 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

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

Max. Pull Tension:	73.1 lbs (33.2 kg)
Bulk Cable Weight:	31 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, 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)
Non-Plenum Number:	1502R

Product Notes

Notes:	Sequential footage marking every two feet.
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History

Update and Revision:	Revision Number: 0.498 Revision Date: 04-13-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1502P 010Z500	Black	ReelTuff Box	500 ft	612825435112
1502P 010I000	Black	Reel	1,000 ft	612825115908
1502P 010Z1000	Black	ReelTuff Box	1,000 ft	612825435099
1502P 877I000	Natural	Reel	1,000 ft	612825115915
1502P 877Z1000	Natural	ReelTuff Box	1,000 ft	612825435105
1502P 8775000	Natural	Reel	5,000 ft	612825115939
1502P 877I0000	Natural	Reel	10,000 ft	612825115922

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