



Product: [1502R](#)

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

Product Description

Multimedia Control Cable, 1 Pair 22 AWG stranded (7x30) tinned copper (data) with FPE insulation, Beldfoil® shield w/ drain, 2 Conductor 18 AWG stranded (16x30) tinned copper conductor (power) with F-R PVC insulation, Riser, F-R PVC 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	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.025 in (0.64 mm)	0.079 in (2.0 mm)	Blue & White, Red & Black	HDPE
Conductor(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	0.073 in (1.9 mm)	Red & Black	

Inner Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.039 in (0.99 mm)	0.25 in (6.4 mm)	Yes

Overall Cable Diameter (Nominal):	0.25 in (6.4 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 Impedance	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
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	2.5 in (64 mm)

Max. Pull Tension:	65.3 lbs (29.6 kg)
Bulk Cable Weight:	40 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)
Plenum Number:	1502P

Product Notes

Notes:	Sequential footage marking every two feet.
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History

Update and Revision:	Revision Number: 0.533 Revision Date: 04-13-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1502R G75500	Aqua	Reel	500 ft	612825115953
1502R G751000	Aqua	Reel	1,000 ft	612825115946
1502R 010500	Black	Reel	500 ft	612825116004
1502R 0101000	Black	Reel	1,000 ft	612825115984
1502R 0105000	Black	Reel	5,000 ft	612825116011
1502R 01010000	Black	Reel	10,000 ft	612825115991
1502R 009500	White	Reel	500 ft	612825115977
1502R 0091000	White	Reel	1,000 ft	612825115960

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