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

Construction Details

Conductor

Element	No. of Elements	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)

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
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.

History

Update and Revision:	Revision Number: 0.536 Revision Date: 02-03-2025

Part Numbers

Variants

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

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