




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	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	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 Material

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

Outer Jacket Material

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

Cable Diameter (Nominal): 0.25 in (6.4 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. 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 +75°C

Bend Radius

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

Max. Pull Tension:	59.8 lbs (27.1 kg)
Bulk Cable Weight:	40 lbs/1000ft (60 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Fire Resistance:	UL1666 Vertical Shaft, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)
Plenum Number:	1502P

Product Notes

Notes:	Sequential footage marking every two feet.
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History

Update and Revision:	Revision Number: 0.399 Revision Date: 07-02-2021
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