




Product: [1502P](#) 

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

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
22	7x30	TC - Tinned Copper	2	1
18	16x30	TC - Tinned Copper	2	1

Conductor Count: 4

Insulation

Element	Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
22	FEP - Fluorinated Ethylene Propylene (Foam)		0.074 in	0.0225 in
18	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.068 in	0.011 in

Color Chart

Number	Color
1	Blue & White
2	Red & Black

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	22 AWG Pair	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	
					TC - Tinned Copper		7x32

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.205 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR
22 AWG	16.3 Ohm/1000ft
18 AWG	6.9 Ohm/1000ft

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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22 AWG Pair	14 pF/ft	38 pF/ft
18 AWG Pair	29 pF/ft	
22 AWG Pair		

Inductance

Element	Nominal Inductance
22 AWG	0.232 µH/ft
18 AWG	0.168 µH/ft

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
100 Ohm	22 AWG Pair

Current

Max. Recommended Current [A]
3.8 Amps per conductor @ 25°C (22 AWG); 7.2 Amps per conductor @ 25°C (18 AWG)

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	31 lbs/1000ft
Max Recommended Pulling Tension:	59.8 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1502R
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Variants

Item #	Color	Putup Type	Length	UPC
1502P 0101000	Black	Reel	1,000 ft	612825115908
1502P 010Z1000	Black	ReelTuff Box	1,000 ft	612825435099
1502P 010Z500	Black	ReelTuff Box	500 ft	612825435112
1502P 8771000	Natural	Reel	1,000 ft	612825115915
1502P 87710000	Natural	Reel	10,000 ft	612825115922
1502P 8775000	Natural	Reel	5,000 ft	612825115939
1502P 877Z1000	Natural	ReelTuff Box	1,000 ft	612825435105

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Sequential footage marking every two feet.
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History

Update and Revision:	Revision Number: 0.252 Revision Date: 04-08-2020
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