



Part Number: 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

Product Overview

Environmental Space:	Indoor - Plenum
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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
Conductor Size:	22 AWG

Insulation

Element	Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
22	FFEP - Foam Fluorinated Ethylene Propylene		0.074 in	0.0225 in
18	LS PVC - Low Smoke Polyvinyl Chloride	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	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	
						TC - Tinned Copper	7x32 mm

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	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
22 AWG Pair	14 pF/ft	38 pF/ft
18 AWG Pair	29 pF/ft	
22 AWG Pair		

Shielding:	Composite - Multiple / Various
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Inductance

Element	Nominal Inductance
22 AWG	0.232 μ H/ft
18 AWG	0.168 μ H/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
300V 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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
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, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
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	Footnote
1502P 0101000	BLACK	C
1502P 8771000	NATURAL	C
1502P 87710000	NATURAL	
1502P 8775000	NATURAL	

Footnote:	C - CRATE REEL PUT-UP.
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