



Part Number: 1502R

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

Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Riser
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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	HDFPE - High Density Foam Polyethylene	Datalene®	0.079 in	0.025 in
18	FR PVC - Flame Retardant Polyvinyl Chloride		0.073 in	0.013 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 AWG	
		TC - Tinned Copper					7x32 mm

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
FR-PVC - Flame Retardant Polyvinyl Chloride	0.25 in	0.0385 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		

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
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	40 lbs/1000ft
Max Recommended Pulling Tension:	59.8 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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:	UL1666 Vertical Shaft
CSA Flammability:	FT4

UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1502P

Part Number

Variants

Item #	Color	Footnote
1502R G751000	Aqua	C
1502R G75500	Aqua	C
1502R 0101000	Black	C
1502R 01010000	Black	
1502R 010500	Black	C
1502R 0105000	Black	
1502R 0091000	White	C
1502R 009500	White	C

Footnote:	C - CRATE REEL PUT-UP.
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