

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:	Riser

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

Total Number of Conductors:	4

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	F-R 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

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:	Partially Shielded

Construction and Dimensions

Conductor DCR

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

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)

Inductance

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

Voltage

UL Voltage Rating
300V RMS

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
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
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC/(UL) Specification:	CMR

Flame Test

CSA Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft

Safety

UL Voltage Rating:	300 V RMS

Suitability

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

Suitability - Sunlight Resistance:	No

Mechanical Characteristics

Operating Temp Range:	-20°C To +75°C
Bulk Cable Weight:	40(lbs/1000ft)
Max Recommended Pulling Tension:	59.8(lbs)
Min Bend Radius/Minor Axis:	2.5(in)

Temperature Range

Non-UL Temp Rating:	75°C

Plenum/Non-Plenum

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

History

Variants

Item #	Color
1502R G751000	AQUA
1502R G75500	AQUA
1502R 0101000	BLACK
1502R 01010000	BLACK
1502R 010500	BLACK
1502R 0105000	BLACK
1502R 0091000	WHITE
1502R 009500	WHITE

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