



**Product:** [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

### 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	PE - Polyethylene (Foam)	Datalene®	0.079 in	0.025 in
18	PVC - 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	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24 AWG	
		TC - Tinned Copper					7x32

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - 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
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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 $\mu$ H/ft
18 AWG	0.168 $\mu$ 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

Environmental Space:	Indoor - Riser
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:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1502R G751000	Aqua	Reel	1,000 ft	612825115946
1502R G75500	Aqua	Reel	500 ft	612825115953
1502R 0101000	Black	Reel	1,000 ft	612825115984
1502R 01010000	Black	Reel	10,000 ft	612825115991
1502R 010500	Black	Reel	500 ft	612825116004
1502R 0105000	Black	Reel	5,000 ft	612825116011
1502R 0091000	White	Reel	1,000 ft	612825115960
1502R 009500	White	Reel	500 ft	612825115977

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: 0.285 Revision Date: 04-08-2020
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