



1502R Paired - Multimedia Control Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

22 AWG stranded (7x30) TC conductors, FPE insulation (data), STP (Data) w/Beldfoil®, TC drain wire, 18 AWG (16x30) TC conductors, unshielded (power) pair, F-R PVC insulation (power), F-R PVC Jacket (Available in Black, White, or Aqua)

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Number of Conductors	2
Total Number of Conductors	4

AWG :

Number of Pairs	AWG	Stranding	Conductor Material	Conductor Diameter (in.)
1	22	7x30	TC - Tinned Copper	
1	18	16x30	TC - Tinned Copper	

Stranding	7x30, 16x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
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Insulation Material :

Layer Number	Material Trade Name	Material	Wall Thickness (in.)	Diameter (in.)
		F-R PVC - Flame Retardant Polyvinyl Chloride (Power)		
		HDFPE - High Density Foam Polyethylene (Data)		

Insulation Material (Multi-AWG) :

AWG	Layer Number	Material Trade Name	Material	Wall Thickness (in.)	Diameter (in.)
22		Datalene®	HDFPE - High Density Foam Polyethylene	.025	
18			F-R PVC - Flame Retardant Polyvinyl Chloride	.013	

Lay Length	2.0 in.
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Twists/ft.	6.0
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Pair Color Code Chart :

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Number	Color	Number	Color
1	Blue & White	2	Red & Black

INNER SHIELD:

Inner Shield Material Trade Name: Beldfoil®

Inner Shield Type: Tape

Inner Shield Material :

Layer Number/Description	Material Trade Name	Type	Material	% Coverage (%)	Stranding	Diameter (in.)	Conductor Material
22 AWG Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			

Inner Shield % Coverage: 100 %

Inner Shield Drain Wire AWG: 24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

OUTER SHIELD:

Outer Shield Material: Unshielded

OUTER JACKET:

Outer Jacket Material: F-R PVC - Flame Retardant Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: .039 in.

Outer Jacket Ripcord: Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter: .250 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range: -20°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 38.1 lbs/1000 ft.

Max. Recommended Pulling Tension: 59.8 lbs.

Min. Bend Radius (Install): 2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU CE Mark (Y/N): Yes

EU RoHS Compliant (Y/N): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

FLAME TEST:

UL Flame Test: UL1685 FT4 Loading

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C(UL) Flame Test FT4

PLENUM/NON-PLENUM:

Plenum (Y/N) N

Plenum Number 1502P

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance :

Description	Nom. Characteristic Impedance (Ohms)
22 AWG Pair	100

Nom. Inductance :

Description	Nom. Inductance (μH/ft)
22 AWG	.232
18 AWG	.168

Nom. Capacitance Conductor to Conductor :

Description	Frequency (kHz)	Start Frequency (kHz)	Stop Frequency (kHz)	Nom. Capacitance Conductor to Conductor (pF/ft)
22 AWG Pair				14
18 AWG Pair				29

Nom. Cap. Cond. to Other Cond. & Shield :

Description	Frequency (kHz)	Start Frequency (kHz)	Stop Frequency (kHz)	Nom. Capacitance Cond. to other Conductor & Shield (pF/ft)
22 AWG Pair				38

Nom. Conductor DC Resistance @ 20 Deg. C :

Description	Nom. Conductor DC Resistance @ 20 Deg. C (Ohms/1000 ft)
22 AWG	16.3
18 AWG	6.9

Max. Operating Voltage - UL 300 V RMS

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

NOTES:

Notes Sequential footage marking every two feet.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1502R 0091000	2 #18 PVC +2 FS #22 FHDPEFRPVC	1000	44	WHITE	C
1502R 009500	2 #18 PVC +2 FS #22 FHDPEFRPVC	500	20	WHITE	C
1502R 0101000	2 #18 PVC +2 FS #22 FHDPEFRPVC	1000	44	BLACK	C
1502R 010500	2 #18 PVC +2 FS #22 FHDPEFRPVC	500	20	BLACK	C

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1502R G751000	2 #18 PVC +2 FS #22 FHDPEFRPVC	1000	44	AQUA	C
1502R G75500	2 #18 PVC +2 FS #22 FHDPEFRPVC	500	20	AQUA	C

C = CRATE REEL PUT-UP.

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