

1502R Paired - Multimedia Control Cable

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

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®
--------------------------------	-----------

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.
------------	---------

Twists/ft.	6.0
------------	-----

Pair Color Code Chart :

1502R Paired - Multimedia Control Cable

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

1502R Paired - Multimedia Control Cable

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

1502R Paired - Multimedia Control Cable

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.

Revision Number: 1 Revision Date: 01-18-2006

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.