

For more Information
please call

1-800-Belden1



General 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 (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
2	1	22	7x30	TC - Tinned Copper
	1	18	16x30	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)	AWG
Datalene®	HDFPE - High Density Foam Polyethylene	0.635	22
	F-R PVC - Flame Retardant Polyvinyl Chloride	0.3302	18

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Dia. (mm)	Conductor Material
22 AWG Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
24 AWG	7x32	TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 6.350 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & White
2	Red & Black

Mechanical Characteristics (Overall)

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

1502R Multi-Conductor - Multimedia Control Cable

Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	59.528 Kg/Km
Max. Recommended Pulling Tension:	266.002 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
22 AWG Pair	100

Nom. Inductance:

Description	Inductance (µH/m)
22 AWG	0.761192
18 AWG	0.551208

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
22 AWG Pair	45.934
18 AWG Pair	95.149

Nom. Capacitance Cond. to Other Conductor & Shield:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/m)
22 AWG Pair				124.678

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	53.4803
18 AWG	22.6389

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current

1502R Multi-Conductor - Multimedia Control Cable

3.8 Amps per conductor @ 25°C (22 AWG); 7.2 Amps per conductor @ 25°C (18 AWG)

Notes (Overall)

Notes: Sequential footage marking every two feet.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1502R G751000	1,000 FT	44.000 LB	AQUA	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R G75500	500 FT	22.000 LB	AQUA	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 0091000	1,000 FT	44.000 LB	WHITE	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 009500	500 FT	22.000 LB	WHITE	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 0101000	1,000 FT	44.000 LB	BLACK	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 01010000	10,000 FT	470.000 LB	BLACK		2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 010500	500 FT	22.000 LB	BLACK	C	2 #18 PVC +2 FS #22 FHDPEFRPVC
1502R 0105000	5,000 FT	215.000 LB	BLACK		2 #18 PVC +2 FS #22 FHDPEFRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-30-2013

© 2019 Belden, Inc.
All Rights Reserved.

Although 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. 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 this 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 2014/35/EU).