

For more Information
please call

1-800-Belden1



Description:

22 AWG stranded (7x30) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.2032

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	7x30		TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Overall Cabling

Overall Nominal Diameter: 3.429 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.508

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	20.835 Kg/Km
Max. Recommended Pulling Tension:	120.101 N
Min. Bend Radius (Install)/Minor Axis:	35.560 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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):	01/01/2004
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
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
45

Nom. Inductance:

Inductance ($\mu\text{H}/\text{m}$)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
114.835

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
219.827

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
4.9215

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
46.2621

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
46.9183

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.
For cross-connect use with 1814R (et. al.) Snake Cables.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451 N3UU1000	305 MT	7.258 KG	GREEN, MIL		2 #22 PP FS PVC FR
9451 N3U5000	1,524 MT	31.752 KG	GREEN, MIL	C N	2 #22 PP FS PVC FR
9451 001U1000	305 MT	7.258 KG	BROWN		2 #22 PP FS PVC FR
9451 0015000	1,524 MT	31.752 KG	BROWN	C N	2 #22 PP FS PVC FR
9451 002U1000	305 MT	7.258 KG	RED		2 #22 PP FS PVC FR
9451 0025000	1,524 MT	34.020 KG	RED	C N	2 #22 PP FS PVC FR
9451 003U1000	305 MT	7.258 KG	ORANGE		2 #22 PP FS PVC FR
9451 0035000	1,524 MT	34.020 KG	ORANGE	C N	2 #22 PP FS PVC FR
9451 004U1000	305 MT	7.258 KG	YELLOW		2 #22 PP FS PVC FR
9451 0045000	1,524 MT	34.020 KG	YELLOW	C N	2 #22 PP FS PVC FR
9451 006U1000	305 MT	7.258 KG	BLUE, LIGHT		2 #22 PP FS PVC FR
9451 0065000	1,524 MT	34.020 KG	BLUE, LIGHT	C N	2 #22 PP FS PVC FR
9451 007U1000	305 MT	7.258 KG	VIOLET		2 #22 PP FS PVC FR
9451 0075000	1,524 MT	34.020 KG	VIOLET	C N	2 #22 PP FS PVC FR
9451 008T1000	305 MT	7.258 KG	GRAY		2 #22 PP FS PVC FR
9451 008U1000	305 MT	7.258 KG	GRAY		2 #22 PP FS PVC FR
9451 008U500	152 MT	3.856 KG	GRAY		2 #22 PP FS PVC FR
9451 008500	152 MT	3.629 KG	GRAY		2 #22 PP FS PVC FR
9451 0085000	1,524 MT	34.020 KG	GRAY	C N	2 #22 PP FS PVC FR
9451 009U1000	305 MT	7.258 KG	WHITE		2 #22 PP FS PVC FR
9451 0095000	1,524 MT	34.020 KG	WHITE	C N	2 #22 PP FS PVC FR
9451 010U1000	305 MT	7.258 KG	BLACK		2 #22 PP FS PVC FR
9451 0105000	1,524 MT	34.020 KG	BLACK	C N	2 #22 PP FS PVC FR

Notes:

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 08-26-2008

© 2011 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 73/23/EEC), as amended by directive 93/68/EEC.