

8450 Paired - Single-Pair Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 3 for Paired Cables (Belden Standard).pdf</p>
--	--

Description:

22 AWG solid tinned copper conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 22 AWG solid TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	22
Stranding	Solid
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PP - Polypropylene
Nom. Insulation Wall Thickness	.007 in.

Pair Color Code Chart :

Number	Color
1	Black & Red

OUTER SHIELD:

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

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	22
Outer Shield Drain Wire Stranding	Solid
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.018 in.

8450 Paired - Single-Pair Cable

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.118 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +105°C
UL Temperature Rating	75°C
Bulk Cable Weight	12.2 lbs/1000 ft.
Max. Recommended Pulling Tension	37 lbs.
Min. Bend Radius (Install)	1.2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading
---------------	-------------------

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	40 Ohms
Nom. Inductance	0.08 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	40 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	76 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.5 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	16.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	12.65 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.9 Amps per conductor @ 25°C

NOTES:

Notes	Belden's® Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.
-------	--

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8450 0081000	2 #22 PP SHLD PVC FR	1000	13	GRAY	

8450 Paired - Single-Pair Cable

8450 0101000	2 #22 PP SHLD PVC FR	1000	13	BLACK	
8450 010U1000	2 #22 PP SHLD PVC FR	U1000	14	BLACK	
8450 010U500	2 #22 PP SHLD PVC FR	U500	7.5	BLACK	

Revision Number: 1 Revision Date: 07-27-2005

© 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.