

8723 Multi-Conductor - Shielded Twisted Pair Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.229

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Description
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100.000	foil side out

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 4.064 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

8723 Multi-Conductor - Shielded Twisted Pair Cable

Bulk Cable Weight:	25.299 Kg/Km
Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius/Minor Axis:	44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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):	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:	UL1685 UL Loading
-----------------------	-------------------

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82723, 87723, 88723

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
52.000

Nom. Inductance:

Inductance (µH/m)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
203.422

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
48.2307

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 49.215 Ohm/km

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current

8723 Multi-Conductor - Shielded Twisted Pair Cable

2.3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8723 060U1000	1,000 FT	19.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060U2000	2,000 FT	36.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060U500	500 FT	10.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060Z1000	1,000 FT	21.000 LB	CHROME		2 SH PR #22 PP PVC
8723 060100	100 FT	3.200 LB	CHROME		2 SH PR #22 PP PVC
8723 0601000	1,000 FT	19.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 06010000	10,000 FT	190.000 LB	CHROME	C Y	2 SH PR #22 PP PVC
8723 06010001	10,000 FT	190.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 06015000	15,000 FT	285.000 LB	CHROME		2 SH PR #22 PP PVC
8723 0601640	1,640 FT	31.160 LB	CHROME		2 SH PR #22 PP PVC
8723 0602000	2,000 FT	38.000 LB	CHROME	C	2 SH PR #22 PP PVC
8723 0603280	3,280 FT	62.320 LB	CHROME	C	2 SH PR #22 PP PVC
8723 060500	500 FT	9.500 LB	CHROME		2 SH PR #22 PP PVC
8723 0605000	5,000 FT	90.000 LB	CHROME	C	2 SH PR #22 PP PVC

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 3 Revision Date: 11-20-2015

© 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).