



Part Number: 8723

Audio, Control & Instrument, #22-2pr, PO, Indiv. Foil, PVC Jkt, CM



Product Description

Audio, Control & Instrument Cable, 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.

Technical Specifications

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2
Conductor Count:			4
AWG Size:			22

Insulation	
Material	Nominal Wall Thickness
PP - Polypropylene	0.009 in

Color Chart	
Number	Color
1	Red & Black
2	Green & White

Inner Shield Material						
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®-foil side out)	100 %	TC - Tinned Copper	24	7x32 mm

Outer Shield Material	
Material	Unshielded

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.16 in	0.02 in

Electrical Characteristics

Conductor DCR	
Individual Pair Nominal Shield DCR	Nominal Conductor DCR
15 Ohm/1000ft	14.7 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	62 pF/ft

Inductance	
Nominal Inductance	0.17 µH/ft

Impedance

Nominal Characteristic Impedance
52 Ohm

High Frequency (Nominal/Typical)

Nom. Insertion Loss
10 dB/100m

Delay

Nominal Velocity of Propagation (VP) [%]
66 %

Current

Max. Recommended Current [A]
Per conductor @ 25°C (10C temperature rise): 2.3 A

Voltage

UL Voltage Rating
300V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	17 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 (UL Loading)
------------------	---------------------

Part Number

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

Variants

Item #	Color	Footnote
8723.001000	Chrome	
8723.0030	Chrome	

8723.00U152	Chrome	
8723.00U305	Chrome	
8723.01152	Chrome	
8723.011524	Chrome	
8723.013048	Chrome	
8723.01305	Chrome	
8723.013050	Chrome	
8723.01610	Chrome	
8723.02500	Chrome	
8723 060100	Chrome	
8723 0601000	Chrome	C
8723 06010000	Chrome	C Y
8723 06010001	Chrome	C
8723 06015000	Chrome	
8723 0601640	Chrome	
8723 0602000	Chrome	C
8723 0603280	Chrome	C
8723 060500	Chrome	
8723 0605000	Chrome	C
8723 0609999	Chrome	C Y
8723 060U1000	Chrome	
8723 060U2000	Chrome	
8723 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

© 2018 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 here in 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 "ASIS" 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 instock 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.