

8725 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (7x28) TC conductors, polypropylene insulation, conductors cabled, Beldfoil® shield as noted (100% coverage), 20 or 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	20	7x28	TC - Tinned Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	.015

Insulation Resistance: 50, 000 megaohms/1000ft. @ 500 V DC

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

Overall Cable

Overall Nominal Diameter: 0.336 in.

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White
3	White/Red & White/Black
4	White/Green & White/Yellow

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 69 lbs/1000 ft.

Max. Recommended Pulling Tension: 112 lbs.

Min. Bend Radius/Minor Axis: 3.375 in.

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

8725 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

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

Other Flame Test:	VW-1
-------------------	------

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
56

Nom. Inductance:

Inductance (µH/ft)
.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
27

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
49

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.78

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 12.540 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage
400 V RMS

Max. Recommended Current:

Current
3.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: Four groups of two conductors with drain wires, each group individually Beldfoil® shielded with polyester tape wrap. 22 AWG drain wire.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8725 0601000	1,000 FT	74.000 LB	CHROME	C	4 SH PR #20 PP PVC
8725 060500	500 FT	38.000 LB	CHROME	C	4 SH PR #20 PP PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-21-2012

© 2015 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.