

8786 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



Description:

24 and 22 AWG stranded (7x32 and 7x30) TC conductors, PVC insulation, (4) conductors cabled, 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
4	24	7x32	TC - Tinned Copper	.024
2	22	7x30	TC - Tinned Copper	.030

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.015

Insulation Resistance: 100 Megaohms/1000 ft. @ 500 V DC

Inner Shield

Inner Shield Material:

Coverage (%)
100

Inner Shield Material (Multi-AWG):

AWG	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Description
24	Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100	Over Quad
22			Unshielded		Singles

Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.028

Overall Cable

Overall Cabling Color Code Chart:

Number	AWG	Group/Cond. Color
1	24	Blue Quad
2	22	Blue
3	22	White

Overall Nominal Diameter: 0.236 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +90°C

Non-UL Temperature Rating: 90°C

8786 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	40.200 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
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):	04/01/2005
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
----------------------	----

Electrical Characteristics (Overall)

Nom. Cap. Between Cond. in a Quad Config.:

Capacitance (pF/ft)
20

Nominal Velocity of Propagation:

VP (%)
65

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
24 AWG	23.9
22 AWG	15

Nom. Inner Shield DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
24 AWG Quad	11.9

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C (24 AWG)
2.0 Amps per conductor @ 25°C (22 AWG)

Other Electrical Characteristic 1: 2/c 21 AWG equivalent DCR when connected to a 3-pin XLR

Notes (Overall)

Notes: Inner Beldfoil® shield over 24 AWG quads. (4) conductors cabled under 100% Beldfoil® shield; (2) conductors unshielded. Quad connection scheme: The black & red wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the green & yellow wires (or remaining wires) are connected together to form the second conductor.

8786 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8786 060U500	500 FT	17.000 LB	CHROME		4 #24, 2 #22 FS PVC
8786 060500	500 FT	16.500 LB	CHROME	C	4 #24, 2 #22 FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-03-2008

© 2012 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.