Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8788 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information please call

1-800-Belden1

Description:

22 AWG stranded (7x30)) TC conductors, PVC insulation, (3) conductors cabled and separately Beldfoil® Shielded (100% Coverage) with drain wires, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors AWG		Stranding	Conductor Material		
5	22	7x30	TC - Tinned Copper		

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:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Conductor Material
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Black Conductor
Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100	Over Red Conductor
Beldfoil® Tape		Aluminum Foil-Polyester Tape	100	Over Green Conductor
		Unshielded		Yellow
		Unshielded		Blue

Inner Shield Drain Wire AWG:



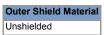
Inner Shield Drain Wire Stranding: Solid

Inner Shield Drain Wire Conductor Material: TCB - Tinned Cadmium Bronze

Inner Shield Filling Compound: Non-hygroscopic

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (ft.)
6.14	1.9

Overall Cabling Color Code Chart:

Number	Color
1	Black (shielded)
2	Red (shielded)
3	Green (shielded)
4	Yellow
5	Blue

Overall Nominal Diameter: 0.236 in.

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





8788 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

echanical Characteristics (Overall)				
Operating Temperature Range:	-20°C To +60°C			
Non-UL Temperature Rating:	60°C			
Bulk Cable Weight:	31 lbs/1000 ft.			
Max. Recommended Pulling Tension:	45.500 lbs.			
Min. Bend Radius (Install)/Minor Axis:	2.500 in.			

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:

EU CE Mark:

Yes

Flame Test

Me

UL Flame Test: UL1685 UL Loading, VW-1

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 38

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
2.1 Amps per conductor @ 25°C

Notes (Overall)

Notes: (2) Unshielded conductors cabled around a non-hygroscopic filler. Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil® shield coverage. Nom. Capacitance Shield to Shield: 125.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8788 060500	500 FT	15.500 LB	CHROME		5 #22 PVC FS PVC

Revision Number: 1 Revision Date: 05-14-2007

© 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.

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8788 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Page 3 of 3 01-06-2012