



8410 Coax - Microphone and Musical Instrument Cable



Description:

25 AWG stranded (7x33) conductors (3 strands tinned copper, 4 strands tinned copper-covered steel), EPDM rubber insulation, tinned copper braid shield (80% coverage), EPDM jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	25
Stranding	3x33, 4x33
Conductor Diameter	.021 in.
Conductor Material	High Conductivity TC - Tinned Copper, TCCS - Tinned Copper Covered Steel

INSULATION:

Insulation Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Nom. Insulation Wall Thickness	.058 in.
Insulation Diameter	.154 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	80 %

OUTER SHIELD SEPARATOR :

Outer Shield Separator Material	Rayon Braid
---------------------------------	-------------

OUTER JACKET:

Outer Jacket Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Outer Jacket Nominal Wall Thickness	.024 in.

OUTER JACKET SEPARATOR :

Outer Jacket Separator Material	Cotton Serve
---------------------------------	--------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.245 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:



8410 Coax - Microphone and Musical Instrument Cable

Operating Temperature Range	-30°C To +60°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	34.5 lbs/1000 ft.
Max. Recommended Pulling Tension	60 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Capacitance Conductor to Shield	33 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	45.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	5.8 Ohms/1000 ft
Max. Operating Voltage - Non-UL	3000 V DC
Max. Recommended Current	1.9 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8410 010500	#25 EPDM BRD EPDM	500	20	BLACK	

Revision Number: 1 Revision Date: 09-23-2004

© 2003 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Electronics Division ("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.