



8418 Non-Paired - Special Application Audio, Communication and Instrumentation

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
--	--------------------------------------------------------------------------------------------------------------

Description:

20 AWG stranded (26x34) high-conductivity tinned copper conductors, cotton wrap, conductors cabled, rubber insulation, rayon braid, 85% tinned copper braid shield, EPDM rubber jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	8
Total Number of Conductors	8
AWG	20
Stranding	26x34
Conductor Diameter	.037 in.
Conductor Material	High Conductivity TC - Tinned Copper

INSULATION:

Insulation Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Nom. Insulation Wall Thickness	.023 in.
Insulation Diameter	.083 in.

OVERALL CABLING:

Overall Cabling Lay Length	2.92 in.
Overall Cabling Twists/ft.	4.1

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Blue	5	Brown
2	Orange	6	Green
3	Black	7	Red
4	White	8	Yellow

Overall Cabling Separator Material	Rayon Braid, Cotton Serve
------------------------------------	---------------------------

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	85 %

OUTER JACKET:



8418 Non-Paired - Special Application Audio, Communication and Instrumentation

Outer Jacket Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Outer Jacket Nominal Wall Thickness	.037 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.381 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-50°C To +90°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	92.7 lbs/1000 ft.
Max. Recommended Pulling Tension	116 lbs.
Min. Bend Radius (Install)	3.8 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

PLENUM/NON-PLENUM:

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

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	0.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	55 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.2 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.4 Ohms/1000 ft
Max. Operating Voltage - Non-UL	600 V RMS
Max. Recommended Current	2.8 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8418 010100	8 #20 EPDM BRD EPDM	100	11	BLACK	
8418 010250	8 #20 EPDM BRD EPDM	250	27	BLACK	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 12-17-2004



8418 Non-Paired - Special Application Audio, Communication and Instrumentation

© 2005 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.