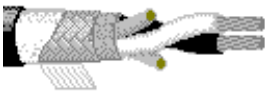



8412 Non-Paired - Two-Conductor, Low-Impedance Cable

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

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	20
Stranding	26x34
Conductor Diameter	0.94 mm
Conductor Material	High Conductivity TC - Tinned Copper

INSULATION:

Insulation Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Nom. Insulation Wall Thickness	0.584 mm
Insulation Diameter	2.108 mm

OVERALL CABLING:

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	White	2	Black

Overall Cabling Separator Material Rayon Braid

OUTER SHIELD:

Outer Shield Type	Braid
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Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1		Braid	Cotton	
2		Braid	TC	85

Outer Shield % Coverage 85 %

OUTER SHIELD SEPARATOR :

Outer Shield Separator Material Cotton Wrap

OUTER JACKET:

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Outer Jacket Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Outer Jacket Nominal Wall Thickness	0.889 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	6.655 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-50°C To +90°C
Non-UL Temperature Rating	90°C
Bulk Cable Weight	63.695 Kg/Km
Max. Recommended Pulling Tension	444.82 N
Min. Bend Radius (Install)	69.85 mm

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	0.591 µH/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	98.43 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	180.455 pF/m
Nom. Conductor DC Resistance @ 20 Deg. C	33.466 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg. C	10.04 Ohms/km
Max. Operating Voltage - Non-UL	600 V RMS
Max. Recommended Current	4 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
8412 0021000	2 #20 EPDM BRD EPDM	304.8	21.338	RED	C
8412 0041000	2 #20 EPDM BRD EPDM	304.8	21.338	YELLOW	C
8412 0061000	2 #20 EPDM BRD EPDM	304.8	21.338	BLUE, LIGHT	C
8412 010100	2 #20 EPDM BRD EPDM	30.48	2.361	BLACK	
8412 0101000	2 #20 EPDM BRD EPDM	304.8	21.338	BLACK	C
8412 010250	2 #20 EPDM BRD EPDM	76.2	5.448	BLACK	

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8412 010500	2 #20 EPDM BRD EPDM	152.4	9.988	BLACK	C
8412 010U1000	2 #20 EPDM SHLD EPDM	U304.8	20.884	BLACK	
8412 010U500	2 #20 EPDM SHLD EPDM	U152.4	10.669	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-26-2005

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