

9815 Twinax - 100 Ohm Twinax

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

100 ohm, 20 AWG stranded (7x28) .037" one tinned/ one bare copper conductors, polyethylene insulation, Duofoil® + TC braid shield (95% coverage), high-density polyethylene jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Material	TC - Tinned Copper, BC - Bare Copper

INSULATION:

Insulation Material	PE - Polyethylene
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PAIR:

Pair Color Code Chart :

Number	Color
1	Natural & Natural

INNER JACKET:

Inner Jacket Material	PE - Polyethylene
Inner Jacket Diameter	.236 in.

OUTER SHIELD:

Outer Shield Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Shield % Coverage	100 %
Outer Shield Flooding Grease	Polyethylene Grease

OUTER JACKET:

Outer Jacket Material	HDPE - High Density Polyethylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.330 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-55°C To +80°C
Bulk Cable Weight	60.5 lbs/1000 ft.
Max. Recommended Pulling Tension	115 lbs.
Min. Bend Radius (Install)	3.5 in.

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

SUITABILITY:

Suitability - Burial	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Inductance	0.155 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	14.5 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	23.0 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	2 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.4
	10			1.1
	50			2.5
	100			4.1
	200			6.4
	400			10.2

Max. Operating Voltage - Non-UL	600 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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9815 0101000	TW PR #20 PE PE BRD PE	1000	69	BLACK	C
9815 0102000	TW PR #20 PE PE BRD PE	2000	134	BLACK	C
9815 010500	TW PR #20 PE PE BRD PE	500	34.5	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-18-2005

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