

9815 Twinax - Electronic Twinax - 100 Ohm

	<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 direct burial twinaxial cable, 20AWG stranded (7x28) one tinned, one bare copper conductor, polyethylene insulation, overall polyethylene dielectric, tinned copper braid shield 95%, 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 Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	95 %
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:



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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:

SUITABILITY:

Suitability - Burial	Y
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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
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	33.5	BLACK	

C = CRATE REEL PUT-UP.

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