

81553 Twinax - Twinax

 For more Information
 please call

1-800-Belden1

Description:

Twinax, 24 AWG stranded (19x36) .024" silver-coated high-strength copper alloy conductor, TFE Teflon® insulation, SC high strength CA braid shield (93% coverage), PFA jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	24	19x36	SCHSCA - Silver Coated High Strength Copper Alloy	.024

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.084

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SCHSCA - Silver-Coated High Strength Copper Alloy	93

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PFA

Overall Cable

Overall Nominal Diameter: 0.129 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 15 lbs/1000 ft.

Max. Recommended Pulling Tension: 12 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CL2P

EU Directive 2002/95/EC (RoHS): No

Military Specification: MIL-C-17 M17/176-00002, MIL-STD-1553 DATA BUS CABLE

Flame Test

UL Flame Test: NFPA 262

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
77

Nom. Inductance:

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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Inductance (µH/ft)
.118

Max. Mutual Capacitance:

Capacitance (pF/ft)
24.0

Maximum Capacitance Unbalance:

Description	Capacitance (pF/ft)
	5

Nominal Velocity of Propagation:

VP (%)
70

Nominal Delay:

Delay (ns/ft)
1.62

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.3

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	1.2
10	4.0
50	9.2
100	13.0
200	18.4
400	26.1
700	34.6
900	39.3
1000	41.4

Max. Attenuation:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1			1.4

Max. Operating Voltage - UL:

Voltage
150 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
81553 0061000	1,000 FT	18.000 LB	BLUE, LIGHT	F Z	2#24 TFE BRD PFA
81553 006500	500 FT	9.000 LB	BLUE, LIGHT	F Z	2#24 TFE BRD PFA

Notes:

F = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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