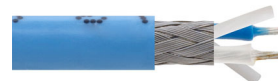


78 ohm Twinaxial Cable, 0.150 inches Outside Diameter with PVC Jacket



30-02003-LC

Configuration

- Flexible Cable

Features

- MIL-STD-1553
- 20°C to +75°C
- 78 ohms

Applications

- MIL-STD-1553
- Data

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		78		Ohms
Operating Voltage (AC)			300	Vrms
Nominal Capacitance		20.3 [66.6]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	50	100	200	MHz
Attenuation, Typ	2	5.3	11.9	16.8	23.7	dB/100ft
	6.56	17.39	39.04	55.12	77.76	dB/100m

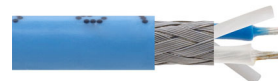
Description	F6	F7	F8	F9	F10	Units
Frequency	500	1,000				MHz
Attenuation, Typ	37.5	53				dB/100ft
	123.03	173.88				dB/100m

Mechanical Specifications

- Diameter 0.15 in [3.81 mm]
- Min. Bend Radius (Installation) 1.5 in [38.1 mm]

Construction Specifications

78 ohm Twinaxial Cable, 0.150 inches Outside Diameter with PVC Jacket



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Description	Material and Plating	Diameter
Dielectric	PE	
Jacket	PVC, Blue	0.15in [3.81mm]

Environmental Specifications

Temperature

Operating Range -20deg C to +75deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

78 ohm Twinaxial Cable, 0.150 inches Outside Diameter with PVC Jacket from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

6	5	4	3	2	1
F			E		
D			C		
B			A		

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/19/2023	SREITER	EKIM

TWINAXIAL CABLE

CHARACTERISTICS	
NOMINAL IMPEDANCE (ohms)	78 ± 3
NOMINAL OUTSIDE DIAMETER (in)	0.150
CONDUCTOR DIAMETER (in)	0.022
OPERATING TEMPERATURE RANGE	-20°C TO +75°C
MINIMUM BEND RADIUS (in)	1.50
NOMINAL CAPACITANCE (pF/ft)	20.3
OUTER JACKET MATERIAL	PVC
INSULATION MATERIAL	PE
SHIELD COVERAGE	93%
ATTENUATION (dB/100 ft)	2.00 @ 1MHz
	5.30 @ 10 MHz

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
X = ±.2 [5]
XX = ±.02 [0.5]
XXX = ±.005 [0.13]
CABLE LENGTH TOLERANCES:
≤12 [305] = ±1 [25] / -0
>12 [305] ≤60 [1524] = ±2 [51] / -0
>60 [1524] ≤120 [3048] = ±4 [102] / -0
>120 [3048] ≤300 [7620] = ±8 [254] / -0
>300 [7620] = ±10 [254] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE
NONE
SHEET
1 OF 1

TWINAX CABLE 78 OHM 25 AWG .15

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	SREITER	30-02003-LC	A

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TRev/D3