

78 ohm Twinaxial Cable, 0.242 inches Outside Diameter with PVC Jacket



30-02001-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)			1,000	Vrms
Nominal Capacitance		19.7 [64.63]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	50	100	200	MHz
Attenuation, Typ	0.6	2.1	5	7.5	11	dB/100ft
	1.97	6.89	16.4	24.61	36.09	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	400					MHz
Attenuation, Typ	16					dB/100ft
	52.49					dB/100m

Mechanical Specifications

- Diameter 0.242 in [6.15 mm]
- Min. Bend Radius (Installation) 2.42 in [61.47 mm]

Construction Specifications

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Description	Material and Plating	Diameter
Dielectric	PE	
Jacket	PVC, Blue	0.242in [6.15mm]

Environmental Specifications

Temperature

Operating Range -20deg C to +75deg C

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

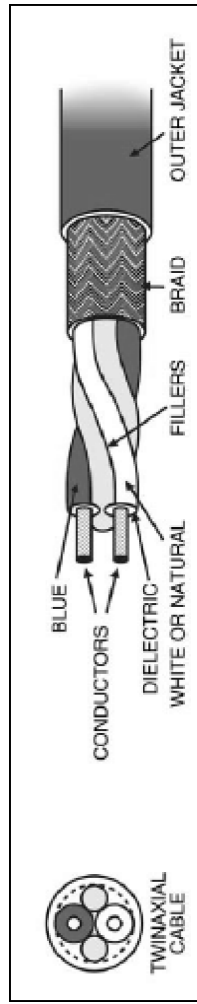
Plotted and Other Data

78 ohm Twinaxial Cable, 0.242 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.

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



CHARACTERISTICS	
NOMINAL IMPEDANCE (ohms)	78 ± 3
NOMINAL OUTSIDE DIAMETER (in)	0.242
CONDUCTOR DIAMETER (in)	0.037
OPERATING TEMPERATURE RANGE	-20°C TO +75°C
MINIMUM BEND RADIUS (in)	2.42
NOMINAL CAPACITANCE (pF/ft)	19.7
OUTER JACKET MATERIAL	PVC
INSULATION MATERIAL	PE
SHIELD COVERAGE	93%
ATTENUATION (dB/100 ft)	0.60 @ 1 MHz 2.100 @ 10 MHz

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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 (5) | FRACTIONS ± 1/32
 .XX = ±.02 (0.5) | ANGLES ± 1°
 .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) = +5 (127) / -0
 >300 (7620) = +5 (127) / 0

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

DESCRIPTION: TWINAXIAL CABLE 78 OHM

ITEM NO. 30-02001-LC

SIZE A

CAGE CODE 43321

DRAWN BY SREITER

REV A

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