

78 ohm High Temperature Twinaxial Cable, 0.095 inches
Outside Diameter with PFA Jacket



30-02002-LC

Configuration

- Flexible Cable

Features

- MIL-STD-1553
- -55°C to +200°C
- 78 ohms

Applications

- Vehicle High Temperature
- Data
- MIL-STD-1553

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		77		Ohms
Operating Voltage (AC)			250	Vrms
Nominal Capacitance		23 [75.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10				MHz
Attenuation, Typ	2	6.5				dB/100ft
	6.56	21.33				dB/100m

Mechanical Specifications

- Diameter 0.095 in [2.41 mm]
- Min. Bend Radius (Installation) 1.25 in [31.75 mm]

Construction Specifications

Description	Material and Plating	Diameter
Dielectric	FEP	
Jacket	PFA, Blue	0.095in [2.41mm]

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Environmental Specifications

Temperature

Operating Range

-55deg C to +200deg C

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

Plotted and Other Data

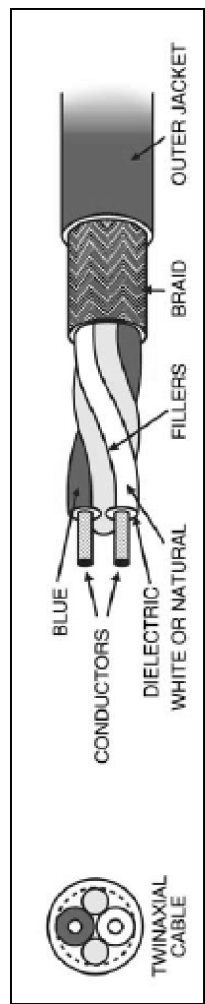
78 ohm High Temperature Twinaxial Cable, 0.095 inches Outside Diameter with PFA Jacket from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated 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 impliment 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	A	INITIAL RELEASE	07/19/2023	SREITER	EKIM

1 2 3 4 5 6



CHARACTERISTICS	
NOMINAL IMPEDANCE (ohms)	77 ± 7
NOMINAL OUTSIDE DIAMETER (in)	0.095
CONDUCTOR DIAMETER (in)	0.0149
OPERATING TEMPERATURE RANGE	-55 °C TO +200 °C
MINIMUM BEND RADIUS (in)	1.25
NOMINAL CAPACITANCE (pF/ft)	23
OUTER JACKET MATERIAL	PFA
INSULATION MATERIAL	FEP
SHIELD COVERAGE	90%
MATES WITH MILESTEK CONNECTOR	-242
ATTENUATION (dB/100 ft)	2.00 @ 1 MHz
	6.50 @ 10 MHz

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Website: www.L-com.com
Phone: 1.800.341.5266 | 1.978.682.6936

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
 .XX = ±.02 (0.5) ±.132
 .XXX = ±.005 (0.13) ANGLES ± 1°
 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 (203) / -0
 >300 (7620) = ±5% (1.3)

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

TWINAXIAL CABLE 78 OHM TWAC-78-1F2

DESCRIPTION

ITEM NO. 30-02002-LC
DRAWN BY SREITER
CAGE CODE A 43321

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