

LT-D10-HX-S

D10 Field Telephone Cable

The LT-D10-HX-S is a rugged and flexible field telephone cable designed to withstand harsh environmental conditions and demanding operational use.

Functionally equivalent to MIL-C-13294, it ensures reliable communication over long distances between field telephones, line equipment, and exchanges.

Engineered for durability and performance, the LT-D10-HX-S combines tinned copper conductors and reinforcing steel wires within a polyethylene insulation and nylon protective jacket, offering exceptional tensile strength, resistance to abrasion, and stable transmission even in extreme climates.



Features

Voltage Rating: 600V (2000Hz)

Operating Temperature: -40°C to +80°C

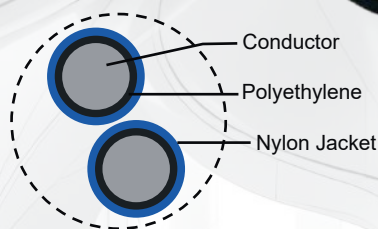
Conductor DC Resistance (20°C): ≤151Ω/km

Insulation Resistance (20°C): ≥3500MΩ·km

Dielectric Strength: AC 3kV/5min, no breakdown

Tensile Strength of Conductor: ≥390N

Typical Attenuation: 400Hz: 1.2dB/km; 3300Hz: 2.3dB/km



Specification	
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Insulation Resistance (20°C)	≥3500MΩ·km
Dielectric Strength	AC 3kV / 5min, no breakdown
Tensile Strength of Conductor	≥390N
Typical Attenuation	400Hz: 1.2dB/km / 3300Hz: 2.3dB/km
Compliance	Operationally equivalent to MIL-C-13294
NATO Stock Number	6145-99-648-0813
Color	Sand Color

Test Report Results	Unit	Requirement	Result
Conductor Material	-	4 tinned copper + 3 steel wires	Conforms
Conductor Diameter	mm	0.3	0.3
Core Insulation Thickness	mm	0.47	0.47
Core Outer Diameter	mm	1.84–1.82	Within Range
Core Sheath Thickness	mm	0.2	0.19–0.20
Overall Diameter of Twisted Pair	mm	4.3	4.3
Breaking Force of Conductor	N	≥390	491
Conductor DC Resistance (20°C)	Ω/km	≤151	59.9
Insulation Resistance (20°C)	MΩ·km	≥3500	7570 / 5220
Voltage Test (AC 3kV, 5min)	-	No breakdown	Passed
Attenuation @400Hz (20°C)	dB/km	≤1.2	0.68
Attenuation @3300Hz (20°C)	dB/km	≤2.3	1.76

Product specifications are subject to change without prior notice.

For more information, visit www.lamatel.ca or send an email to sales@lamatel.com

