

Category 6 Field Termination Plug



Category 6 Field Terminate Plug are designed for use on Solid cable assemblies and therefore are designed to terminate to strand conductors of wire sizes from AWG 23 through AWG 26. This type of plug design accommodates large diameter cabling in the form factor of a standard RJ45 plug. FTP offers a distinct approach for connectivity for an IP-enabled IoT devices/ PoE enabled devices. Developed under MPTL for delivering custom-length cables to be terminated on-field locations for direct connections to end point devices. FTP exceeds all Category 6 performance requirements to easily support high-speed applications like Wi-Fi and Video cameras.

Features

- IP20 rated Field Terminable Plug
- Compatible with EN 50173 / ISO IEC 11801
- Qualified Screened Class 6 Component
- Permanent Link & Channel ANSI/TIA-568-2.D

Mechanical Specifications

Housing Material	: Polycarbonate (PC), UL 94V-0
Plug Contact	: T=0.35mm phosphor bronze
Contact Area	: Gold over nickel plating
IDC Contact	: T=0.4mm phosphor bronze, Sn over nickel plating
Compatibility	: 26~23AWG.
Durability	: 1000 mating cycles

Electrical Specifications

Current Rating	: 1.5 Amps (max)
Insulation Resistance	: 500MΩ,at 500V DC
DC Resistance	: ≤0.1Ω
Minimum Return Loss	: 14
Maximum Insertion loss	: 0.45
Minimum NEXT Loss	: 34

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Minimum FEXT Loss	: 29.1
Minimum TCL	: 14
Minimum TCTL	: 14
Propagation Delay	: <2.5ns
Propagation Delay Skew	: <1.25ns
Minimum PSANEXT Loss	: 56.5
Minimum PSAFEXT Loss	: 53

Environmental Specifications

Operating Temperature	: -40°C to + 70°C
Storage Temperature	: -40°C to + 75°C
Operating Humidity	: 10% to 90% PH

Ordering Information

Product Code	Description
12806	Field Termination Plug, Shielded, C6