

1435834-X Cut Sheet

**AMPTRAC Cable Assembly, Twisted Pair Patch Cable, Unshielded,
Standard Wiring, White**



Part Number Information

Detail	Data
Description	AMPTRAC Patch Cable Assembly
Cable Type	Twisted Pair
Category	6
Shielding	Unshielded
Jacket Color	White
UL/NEC Rating	CMR (Riser Rated)
Boot Type/Color	White, Overmolded



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Description

AMP NETCONNECT AMPTRAC Category 6 patch cable assemblies exceed the TIA/EIA-568-B.2 and ISO/IEC 60603-7 requirements for Category 6 performance. The AMP NETCONNECT Category 6 system complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-TX), 10/100BASE-TX, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video and analog and digital voice (VoIP). Patented manufacturing techniques create consistent performance superior to standard cable assemblies. AMPTRAC patch cable assemblies utilize a patented ninth conductor outside the inner jacket connected to a probe on each end of the molded plug housing to enable the AMPTRAC connectivity management system.

Specification

Category 6 Patch cable assemblies shall be AMPTRAC enabled and constructed using 50µm gold-plated modular plugs, wired to the T568A wiring pattern. The cable assemblies shall utilize a double jacketed construction with a ninth conductor on the outside of the inner jacket which shall be terminated to an AMPTRAC probe housed in the molded modular plug boot on each end of the cable assembly. Cable assemblies shall be AMP NETCONNECT part number [X-]1435834-[X (X denotes length)] and shall be white in color.



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Technical Data

Detail	Data
Wiring Pattern	T568B (can be used in either T568A or T568B wired systems)
Materials	Conductors – 24 AWG, 7/32 stranded copper
	Insulation – Flame retardant polyethylene
	Jacket - PVC
	Plug Housing – Clear polycarbonate
	Terminals – Phosphor bronze with 50 μm gold plating on selected area, gold flash over the remainder, over 100 μm nickel underplate
Impedance	100 $\Omega \pm 15\%$, 1 MHz to 100 MHz
Capacitance	13.5 pf/ft, at 1 MHz
Return Loss	25 dB at 1 MHz $\leq f < 20$ MHz
	25-10log(f/20) dB at 20 MHz $\leq f \leq 250$ MHz



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