

Intelligent Copper Patch Cord, 9-Core, Cat6 Unshielded/Shielded (probe type)



DESCRIPTION

FABNET Category 6A Cabling Systems are designed for high-performance and intelligent network infrastructures. The UTP Cat 6A system adopts an innovative AWG24 conductor design with a reduced outer diameter, enabling easier installation while supporting operating frequencies up to 500 MHz. The Cat 6A system exceeds industry standards with a tested bandwidth of 600 MHz, fully supporting 10GBASE-T applications.

Integrated 9-pin intelligent connectivity enables seamless interfacing with FABNET Intelligent Patch Panels and AIM (Automated Infrastructure Management) systems, allowing automatic jumper identification and verification of correct port insertion for accurate, error-free network management.

APPLICATION STANDARDS

- ANSI/TIA-568.2-D, IEC 11801

SPECIFICATIONS

Internal conductor size (nominal value)	4×2×0.52 (AWG24)	Cable outer diameter (nominal value)	6.5mm
9 pin conductor size (nominal value)	Internal wire diameter: AWG26; External conductor diameter: 1.0mm	9 pin conductor retractable size (nominal value)	2.3-8.3mm

ELECTRICAL PERFORMANCES

DC resistance (20)	95Ω/km	Capacitance to ground	≤5.6nF/100m(@1kHz)
100MHz characteristic impedance	100Ω±15Ω	Transverse conversion loss TCL	≥55dB-20×lgf(100-500MHz)
Delay deviation	25ns/100m	NVP	69%
Power over Ethernet (POE)	IEEE 802.3at Enhanced Power over Ethernet	Temperature operating range	-20 to +60C

ORDERING INFORMATION

FCP6AULM3B-PR	Intelligent Copper Patch Cord, 9-Core, Cat6a Unshielded, 3m
FCP6ASLM3B-PR	Intelligent Copper Patch Cord, 9-Core, Cat6a Shielded, 3m

Notes: The length of intelligent patch cord can be customized.