

CAT6 F/UTP Patch Cords

Description

Keywerks™ CAT6 F/UTP Patch Cords provide outstanding performance in installation environments where alien crosstalk, EMI and RFI impairments are a concern. Precision engineered and manufactured, these F/UTP Patch Cords utilize an aluminium-Mylar shield, 26 AWG stranded annealed copper conductors, and 50µin gold-plated connector contacts. Keywerks™ CAT6 F/UTP Patch Cords feature ergonomic over-molded boots with improved strain relief properties and an easy-to-press release tab. These cords are available in 4 standard colors and 9 standard lengths; for custom colors and lengths, please contact your local Wirewerks sales office.

Keywerks™ CAT6 F/UTP Patch Cords support IEEE 1000BASE-T Gigabit Ethernet, Power over Ethernet (PoE), and Voice over Internet Protocol (VoIP) applications, and are fully compliant with TIA-T568-C.2 CAT6 specifications. These cords bring durability and reliability to any installation environment and offer outstanding transmission performance and superior noise immunity.

Features and Benefits

F/UTP design with aluminium-Mylar shield provides superior noise immunity and performance

Exceed ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E channel requirements

Ergonomic design with over-molded boots, improved strain relief, and easy-to-press release tabs

Available in 4 standard colors and 9 standard lengths

26 AWG annealed copper stranded connectors with 50µin gold-plated connector contacts for superior performance, durability and reliability

Applications

Telecommunications Room

Work Area

Equipment Room

Data Centers

Consolidation Point

Cellular Tower Base Station



Certification and Compliance

ISO/IEC 11801	Generic Cabling for Customer Premises (Channel requirements).
ANSI/TIA-568-C.2	Balanced Twisted-Pair Telecommunications Cabling and Component Standards (Channel requirements).
ASTM D4565	Standard Test Methods for Physical and Environmental Performance Properties of Insulation and Jackets for Telecommunications wire and cable.
IEC 60603-7	Connectors for Electronic Equipment.
FCC 47 part 68	Connection of the Terminal Equipment to the Telephone Network.
UL 94	Tests for Flammability of Plastic Material for Parts in Devices and Appliances.
UL	Underwriters Labs (Bi-national Canada, US) Listed Communication Circuit Accessories.
RoHS	Directive on Restriction of Hazardous Substances.

Ordering Information

Description		Part Number	
CAT6 F/UTP Patch Cord		C641-6M YY - NNN	
YY Color		NNN Length	
BL	blue	002	2 ft
WH	white	003	3 ft
BK	black	005	5 ft
GY	grey	007	7 ft
Other colors and lengths available upon request.		010	10 ft
		012	12 ft
		015	15 ft
		020	20 ft
		025	25 ft

Packaging

Factory sealed poly bag
1 unit per bag

Physical Characteristics

Parameter	Value
Cable Core	Foiled cable with 4 unshielded twisted pairs
Conductor Material	26 AWG stranded annealed copper
Insulation Material	Polyolefin compound
Shielding Material	Aluminium-Mylar film
Jacket Material and Fire Rating	Polyvinyl chloride (PVC), CM-rated
Plug Material	UL 94 V-0 ABS thermoplastic
Contacts Material	50 µin of gold over 100 µin nickel plated
Boot Material	Polyvinyl chloride (PVC)
Drain Wire	26 AWG stranded tinned copper

Mechanical Characteristics

Parameter	Value
Operation Temperature	-40° C (-40° F) ~ 60° C (140° F)
Installation Temperature	-20° C (-4° F) ~ 40° C (104° F)
Storage Temperature	-40° C (-40° F) ~ 125° C (257° F)
Pulling Tension	110 N (25 lbf)