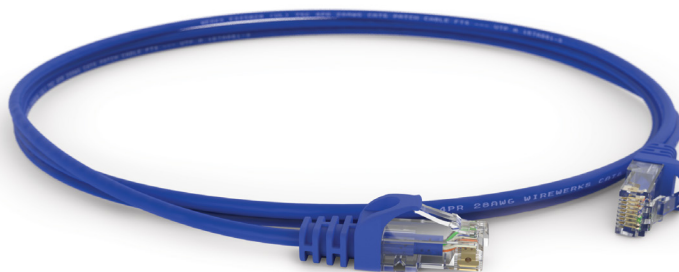


28 AWG COPPER PATCH CORD

PDS-0212



DESCRIPTION

Wirewerks CAT6 U/UTP CM 28AWG patch cords offer a high quality value solution for cable management challenges and high density applications. These patch cords are built using 28 AWG stranded annealed copper conductors and the connectors contacts are plated with 50 micro inch of gold. Their ergonomic over molded boots exhibit an improved strain relief and easy-to-press release tab. Wirewerks 28 AWG CAT6 U/UTP CM patch cords are perfect to carry Gigabit Ethernet data rates, Power over Ethernet (PoE), and Voice over Internet Protocol (VoIP).

FEATURES AND BENEFITS

- Allows for higher number of connections in new installations as compared to traditional patch cords
- Ideal for over-crowded conduits or cable trays
- Small cord diameter of 0.15 INCHES (3.8 mm) - 44% space saving compared to traditional CAT6 patch cords
- 100% tested ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E component requirements for lengths up to 15 feet
- *100% tested ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E channel requirements for lengths over 15 feet
- Available in 9 colors : grey, blue, white, green, black, yellow, red, purple and orange
- Over molded strain relief
- Connectors' contacts plated with 50 micro-inch of gold over 100 micro-inch of nickel
- Available in multiple lengths
- T568A & T568B wiring schemes

APPLICATIONS

- Telecommunications Room
- Equipment Room
- Consolidation Point
- Work Area
- Cellular Tower Base Station

PACKAGING

- Poly Bag

**CERTIFICATION
AND COMPLIANCE**

FCC 47, Part 68

Connection of Terminal Equipment to the Public Switched Telephone Network

ISO/IEC 11801

Generic Cabling for Customer Premises

ANSI/TIA-568-C.2

Balanced Twisted-Pair Telecommunications Cabling and Component Standards for Category 6

ASTM D4565

Standard Test Methods for Physical and Environmental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable

IEC 60603-7

Connectors for Electronic Equipment

UL 444

Standard for Safety for Communication Cables

UL 94

Tests for Flammability of Plastic Material for Parts in Devices and Appliances

cULus

Bi-national (Canada, US) Listed Communication Circuit Accessories

RoHS

Directive on Restriction of Hazardous Substances

**ORDERING
INFORMATION**

Part Number			
CAT-68AYY-NNN			
Patch Cords Color		Patch Cords Length	
YY	Color	NNN	Foot
BL	Blue	000D5	0.5
WH	White	001	1
		002	2
BK*	Black	003	3
		004	4
YL*	Yellow	005	5
		006	6
RD*	Red	007	7
		010	10
GY*	Grey	015	15
		020	20
GR*	Green	025	25
		050	50
PR*	Purple	075	75
		100	100
*Other colors and lengths available upon request			

PHYSICAL CHARACTERISTICS

- Cable core 4 unshielded twisted pair
- Conductors material 28 AWG stranded annealed copper
- Insulation material PE
- Jacket material PVC
- Plug material UL 94V thermoplastic
- Contacts material 50 micro inch of gold over 100 micro inch of nickel
- Boot material Polyvinyl chloride (PVC)
- Performance test 100% Component within 15ft, 100%channel above 15ft

Parameter	Minimum / Maximum
Operation Temperature	-20°C ~ 60°C
Installation Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Pulling Tension	110 N (25 Lbf)

TRANSMISSION REQUIREMENTS

Frequency MHz	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min Return Loss (dB)	Min Prop. Delay (ns)
1	74.3	72.3	20	570
4	65.3	63.3	23	552
8	60.8	58.8	24.5	549
10	59.3	57.3	25	545
16	56.2	54.2	25	543
20	54.8	52.8	25	542
25	53.3	51.3	24.2	541
31.25	51.9	49.9	23.3	540
62.5	47.4	45.4	20.7	539
100	44.3	42.3	19	538
200	39.8	37.8	16.4	537
250	38.3	36.3	15.6	536