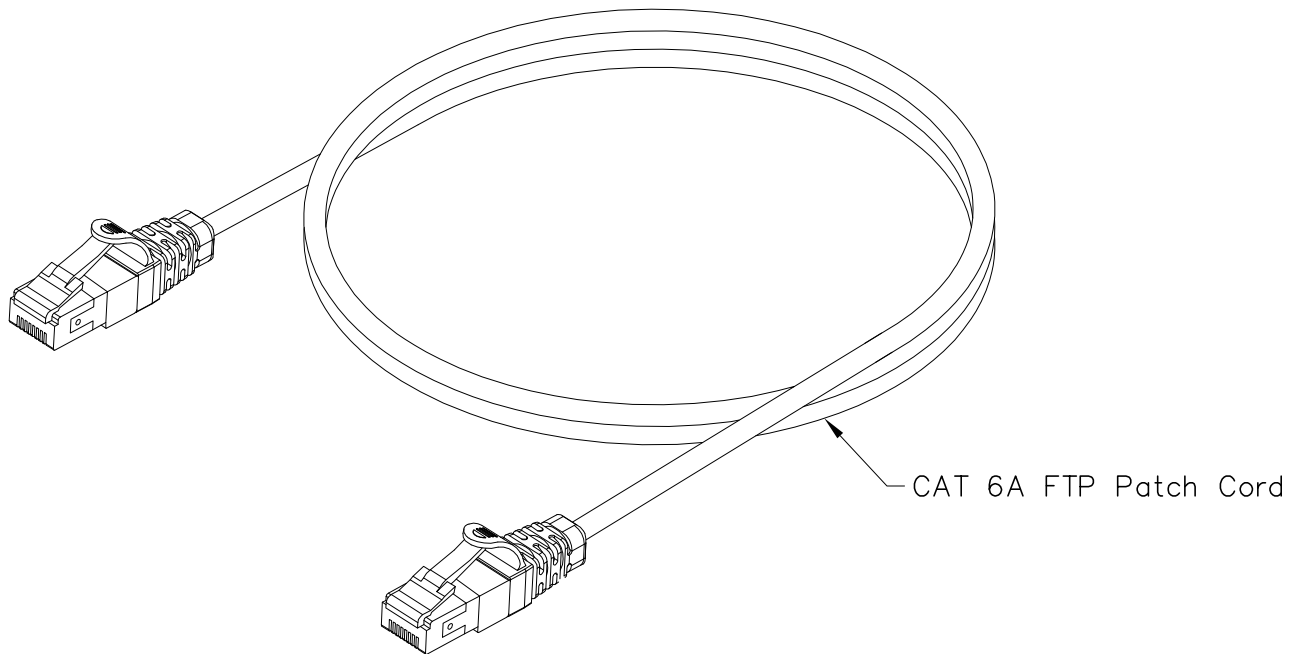


# Category 6A FTP Patch Cord

## PRODUCT SPECIFICATION

### Package includes:

A. CAT 6A FTP Patch Cord, 1 pc



### Features and Benefits:

- Component rated CAT 6A patch cords assuring high signal quality, minimal cross talk and return loss, and minimizing alien crosstalk and unwanted emissions
- Creates a high speed CAT 6A connection for cross and direct connects by patching cable runs to subsystems and equipment
- Designed with a low profile snagless boots for high density applications without any compromise in performance
- Exceeds ANSI/TIA/EIA-568-B.2-10 draft for Category 6A connecting requirements
- Available in 3, 5, 7, 10, 15, and 25 FT

### PATCH CORD, CAT 6A, FTP

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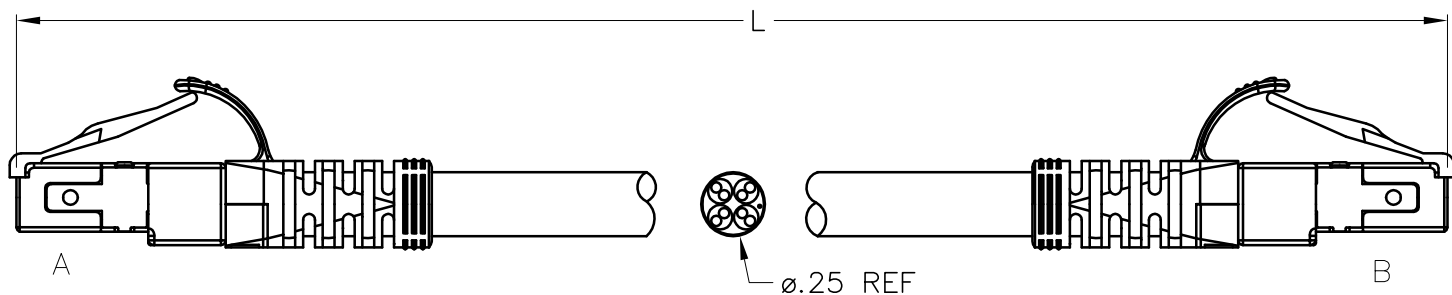
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# **NOTES: UNLESS OTHERWISE SPECIFIED**

## 1. CONSTRUCTION:

### A. CONDUCTOR:

- 4 TWISTED PAIR: BLUE, ORANGE, GREEN, BROWN
- 26 AWG (STRANDED BARE COPPER 7X0.152mm)

### B. INSULATORS: HDPE (MIN. THICKNESS 0.153

### C. INSULATORS DIAMETER: 1.03±0.10MM

### D. ALUMINUM FOIL: 50u X 12MM

### E. DRAIN WIRE: 7 X 0.152MM

### F. JACKET: 75°C PVC

### G. JACKET DIAMETER: 0.248"±0.006 (6.3±0.15MM)

### H. SHIELDED MODULAR PLUG: 8P8C

CONTACT: PHOSPHOR BRONZE, 50u" GOLD PLATED

INSULATOR: POLYCARBONATE, UL94V-2

COLOR: NATURAL

### I. BOOT: PVC

## 2. ELECTRICAL:

### A. VOLTAGE RATING: 300V

### B. TEMPERATURE RATING: 75°C

### C. DIELECTRIC STRENGTH: DC 2.5 KV/2 SEC. OR AC 1.75 KV/2 SEC

### D. MUTUAL CAPACITANCE: 5.6 nF/100M NOMINAL

### E. PAIR TO GROUND: 300pf/100M MAX

### F. CONDUCTOR DC RESISTANCE: 14.2 OHMS/KM MAX AT 25°C

### G. DC RESISTANCE UNBALANCE: 4% MAX.

### H. CHARACTERISTIC IMPEDANCE: 100±15 OHMS 1~500MHz

### I. PROPAGATION DELAY SKEW: 50ns/100M MAX. 1~500MHz

### J. VELOCITY OF PROPAGATION: 70%

## 3. MECHANICAL:

### A. TENSILE STRENGTH: POLYOLEFIN 2400PSI, JACKET (PVC) 2000PSI

### B. ELONGATION: POLYOLEFIN 300% MIN, JACKET (PVC) 100%MIN

## 4. STANDARDS:

### A. ANSI/TIA/EIA-568-B.2-10 (500 MHz)

### B. ISO/IEC 61156-6

### C. FLAME RATING: UL 444, CMH, CMX, CM, CMG, CMR, FT4

## 5. APPLICATION:

### A. 10GBASE-T (IEEE 802.3an)

### 1000BASE-TX (TIA/EIA-854)

### 1000BASE-T (IEEE 802.3ab)

### 100BASE-TX (IEEE 802.3u)

### 10BASE-T (IEEE 802.3)

## 6. COLORS: XX: BK-BLACK, BL-BLUE, YL-YELLOW, WH-WHITE

| WIRING DIAGRAM |        |              |
|----------------|--------|--------------|
| PLUG A         | PLUG B | COLOR        |
| 1              | 1      | WHITE/ORANGE |
| 2              | 2      | *ORANGE      |
| 3              | 3      | WHITE/GREEN  |
| 4              | 4      | *BLUE        |
| 5              | 5      | WHITE/BLUE   |
| 6              | 6      | *GREEN       |
| 7              | 7      | WHITE/BROWN  |
| 8              | 8      | *BROWN       |

\* A WHITE MARKING IS OPTIONAL

| ITEM NO.   | L(FT) | TOLERANCE(IN) |
|------------|-------|---------------|
| ICPCSG03XX | 3     | ±1"           |
| ICPCSG05XX | 5     | ±1"           |
| ICPCSG07XX | 7     | ±1"           |
| ICPCSG10XX | 10    | ±1.5"         |
| ICPCSG15XX | 15    | ±1.5"         |
| ICPCSG25XX | 25    | ±1.5"         |

## **PATCH CORD, CAT 6A, FTP**

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