

# ProFIT™ Ultra SLIM

Premium Copper Cables

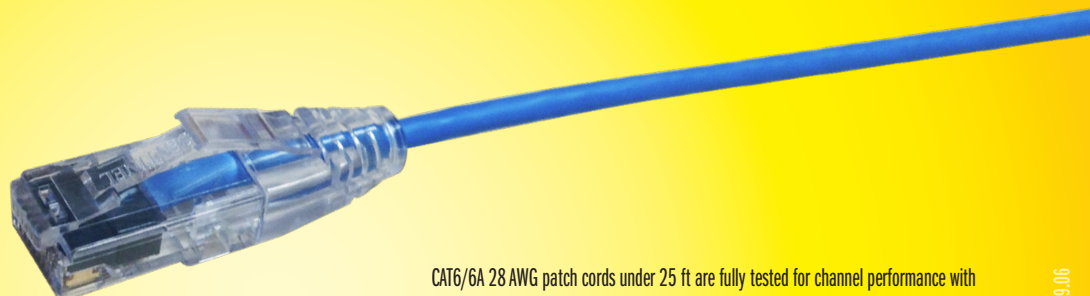


Standard CAT6

40% smaller Bend radius

55% smaller diameter

56% Lighter



CAT6/6A 28 AWG patch cords under 25 ft are fully tested for channel performance with guaranteed passing results. CAT6/6A 28 AWG patch cords exceeding 25 ft will void any applicable warranty and are tested for continuity only. Performance is not guaranteed over 25 ft.

2022.09.06



- Ultra-flexible Cable — Ensures smooth installation
- Customizable Labels — Cable labels available with length, part number, barcode, or serial number
- Low Profile Connector — Easily fits into high density panels and switches

FEATURE

## ProFIT Patch™

Premium Copper Panels



- Modular Design
- Flush Mounted
- Port Labeling
- Non-Proprietary Jacks

## ProFIT Ultra Slim CAT 6 SPECIFICATIONS

### Industry Standard

ANSI/TIA-568-C.2 Category 6  
ISO 11801 Class E Edition 2.1  
RoHs Compliant

### Construction

**Conductor:** 28 AWG stranded tinned copper  
**Insulation:** High density polyethylene, .005" Nom. wall thickness  
**Pairs:** Color coded singles twisted into pairs  
**Cable:** (4) Twisted pairs  
**Outside Diameter:** 0.15mm  
**Connectors:** RJ45 Male 50 micron gold-plated  
**Jacket:** CMR

### Performance

**Mutual Capacitance:** 13.5 PF/FT. at 1MHz  
**Dielectric Withstanding, min. :** 1500V RMS  
**Max Voltage Rating:** 300V  
**D.C. Resistance, nom. :** 68.2 Ω/1000'  
**Velocity of Propagation:** 68%  
**Impedance:** 100 +/- 15 Ω 1-250 MHz  
**Insertion Loss:**  $1 \leq f \leq 250 \text{ MHz } 1.8 [1.808 \text{ Sqrt}(f) + 0.017 \text{ SQRT}(f) + 0.2 \text{ dB max}]$   
**Delay Skew:**  $1 \leq f \leq 250 \text{ MHz } <45\text{Ns Max}$   
**Working Temperature:** -20°C to +75°C  
**100% performance test:** Fluke tested for Wire Map, NEXT, ACR-F, ACR-N, Attenuation, Insertion loss and Return loss

## ProFIT Ultra Slim CAT 6a SPECIFICATIONS

### Industry Standard

ANSI/TIA-568-C.2 Category 6a  
ISO 11801 Class E Edition 2.1  
RoHs Compliant

### Construction

**Conductor:** 28 AWG stranded tinned copper  
**Insulation:** High density polyethylene, .008" Nom. wall thickness  
**Pairs:** Color coded singles twisted into pairs  
**Cable:** (4) Twisted pairs  
**Shield:** Aluminum polyester foil (100% coverage), include 28AWG drain wire in contact with outer surface  
**Outside Diameter:** 0.186  
**Connectors:** RJ45 Male 50 micron gold-plated  
**Jacket:** CMR

### Performance

**Mutual Capacitance:** 13.5 PF/FT. at 1MHz  
**Dielectric Withstanding, min. :** 1500V RMS  
**Max Voltage Rating:** 300V  
**D.C. Resistance, nom. :** 68.2 Ω/1000'  
**Velocity of Propagation:** 68%  
**Impedance:** 100 +/- 15 Ω 1-500 MHz  
**Insertion Loss:**  $1 \leq f \leq 500 \text{ MHz } 1.9 [1.82 \sqrt{f} + 0.0091(f) + 0.25/\sqrt{f}] \text{ dB max}$   
**Delay Skew:**  $1 \leq f \leq 500 \text{ MHz } <45\text{ns Max}$   
**Working Temperature:** -20°C to +75°C  
**100% performance test:** Fluke tested for Wire Map, NEXT, ACR-F, ACR-N, Attenuation, Insertion loss and Return loss

Feature

NEW



**ULC elite™**  
THE NEW UNIVERSAL LC  
by Total Cable Solutions

### COLOR-CODED TRIGGERS



Toolless Reverse Polarity

Ultra High Performance

Color Coded Triggers

## ORDERING INFORMATION

PROS -  L   U -    F

1
2
3
4

### 1 CATEGORY

CAT6 = 6  
CAT6a = A

### 2 JACKET COLOR

Blue = BL  
Black = BK  
Gray = GY  
Green = GN  
Lime = LG  
Orange = OR  
Pink = PK  
Red = RD  
White = WH  
Yellow = YE  
Purple = PR

### 3 LENGTH

3-Digit Length

Examples:  
001, 0.50, 01.5

### 4 UNIT OF MEASURE

Feet = F