



The Cat.6A armoured patch cable is a robust and powerful Ethernet cable designed for demanding network applications and environments. With armouring for increased mechanical strength, it offers reliable performance in various environments. Thanks to its full shielding and the use of high-quality materials, such as an inner jacket made of SUS204 stainless steel and an outer jacket made of highly elastic PVC, it guarantees high resistance. The InLine® patch cable is equipped with a core insulation layer HDPE - a robust and high-density polyethylene material - that offers excellent insulation properties. This patch cable is ideal for network applications where high quality insulation and signal integrity are required. Overall, armoured patch cords provide a robust solution for environments where traditional cables are not sufficient and ensure a reliable network connection even under demanding conditions. The patch cable is protected from heavy foot traffic, weather, pests and rodents due to its high quality construction. Ideal for shows, concerts, billboards and advertising signs.

- Cable type: Cat.6A U/FTP
- Conductor: 28AWG
- Insulation material: HDPE Jacket: PVC
- Outer diameter: 7.3mm (OD)
- Connector type: 8P8C (RJ45) with 50µ" gold-plated contacts
- Plug type: Fully shielded crimped plug

- Inner jacket: SUS204 (stainless steel)
- Outer sheath: Highly elastic PVC
- Temperature range: Installation 0 to 50 °C, operation -20 to 60 °C
- Bandwidth: 500MHz
- Rated voltage: 30V
- PoE/PoE+/PoE++ (up to 90W)
- Force resistance with short pressure: 2000 N
- Force resistance with sustained pressure: 500 N
- Certification: Passes Fluke DSX 8000 channel test

**Electrical properties:**

- Conductor DC resistance: 28.4 Ω/100m (maximum)
- Impedance: 100 Ω
- Capacitance: 5600pF/100m
- Propagation delay: 545ns/100m (maximum)
- Delay: 45 ns/100m (maximum)

## Datasheet

## Patchkabels Cat. 6A U/FTP Gearmeerd

| Technical Data        |                                    |
|-----------------------|------------------------------------|
| Brand                 | InLine®                            |
| Category              | Cable                              |
| Colour                | Black                              |
| Side A                | RJ45 plug                          |
| Side B                | RJ45 plug                          |
| Shielding             | U/FTP                              |
| Type                  | Cat.6A                             |
| Signal                | Network                            |
| Cross-section         | AWG 28                             |
| Outer diameter        | 7.3 mm                             |
| Variant               | gold plated contacts, twisted pair |
| PoE/PoE+/PoE++        | Yes                                |
| Design                | Round Cable                        |
| Special feature       | Armoured                           |
| Gold plated contacts  | Yes                                |
| Operation temperature | -20 bis +60 °C                     |
| Packing               | Retail                             |
| Sheath                | PVC                                |
| Patch cable category  | Cat.6A                             |

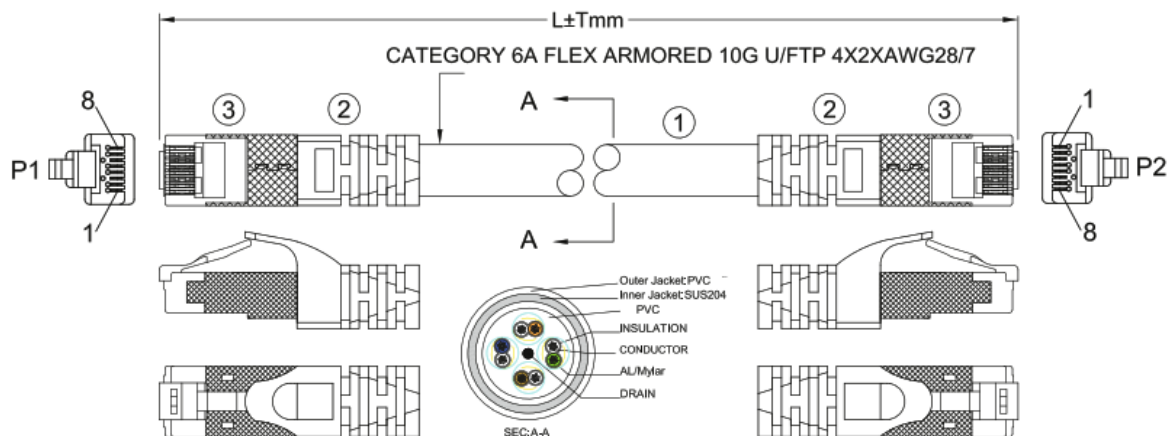
| Art. Nr. | Length |
|----------|--------|
| 75533S   | 0.30 m |
| 75555S   | 0.50 m |
| 75501S   | 1 m    |
| 75514S   | 1.50 m |
| 75502S   | 2 m    |
| 75503S   | 3 m    |
| 75505S   | 5 m    |
| 75507S   | 7.50 m |
| 75500S   | 10 m   |
| 75515S   | 15 m   |
| 75520S   | 20 m   |
| 75525S   | 25 m   |
| 75530S   | 30 m   |

### Overall Cable

- Inner Jacket - SUS 204
- Outer Jacket: High Elasticity PVC
- Minimum Average Thickness - 0.70mm
- Outer Diameter - 7.3 ± 0.20mm

### Overview

Bandwidth: 500MHz  
 OD: 7.3mm  
 Conductor: 28AWG  
 Approvals: RoHS  
 Connector: 50U" gold plated RJ45 connector



|     |  |
|-----|--|
| 3   | RJ45 PLUG: 8P8C 50U" GOLD PLATED THREE-PIECE TRANSPARENT BLUE PLUG, SHIELDED NICKEL PLATING.   |
| 2   | MOLDED: BLACK PVC MOLDED BOOT  |
| 1   | CABLE: CAT6A U/FTP [28AWG(7/0.12±0.008BC)+AL/Mylar]*4P+D(7/0.12±0.008TC) PVC JACKET+SUS204 JACKET+HIGH ELASTICITY PVC BLACK JACKET OD: 7.3±0.2MM |
| NO. | SPECIFICATION  |

### TOLERANCE:

#### LINEAR:

X. = ±1

.X = ±0.5

.XX = ±0.05

#### FILLET:

R2=RAD.2mm

R5=RAD.5mm

XR=MAX RAD.

#### CHAMFER:

C0.5=CHAM0.5mm

C1=CHAM1mm

### Physical Characteristics

- Cable Type - Cat6A U/FTP
- Connector Type(s) - RJ45
- Wiring Scheme - T568B
- Temperature Rating
  - Installation: 0°C~50°C
  - Operation: -20°C~60°C
- Voltage Rating - 30V

### Conductor (Qty. 4 twisted pair)

- Conductor Type - 28AWG(7/0.12±0.008mm), Strande
- Insulation - HDPE
- Diameter - 0.80±0.05mm
- Pair Identification:
  - Pair1=Orange, Orange-White
  - Pair2=Blue, Blue-White
  - Pair3=Green, Green-White
  - Pair4=Brown, Brown-White

### Connector Type (Qty. 2)

- Connector Type - SHIELDED 8P8C (RJ45)
- Gender - Male
- Connector Material - Transparent Blue PC
- Contact Material - Copper Alloy, Gold Plating 50U"
- Full Shielded Plug With Riveting Technology
- Hood Material - PVC molded Boot

### Electrical Characteristics

- Conductor DC Resistance - 28.4Ω/100m (maximum)
- Impedance - 100Ω
- Capacitance - 5600pf/100m
- Propagation Delay - 545ns/100m (maximum)
- Delay Skew - 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel Test
- PoE/PoE+/PoE++ (up to 90W)

### P1

- 1 - WHITE/ORANGE
- 2 - ORANGE
- 3 - WHITE/GREEN
- 4 - BLUE
- 5 - WHITE/BLUE
- 6 - GREEN
- 7 - WHITE/BROWN
- 8 - BROWN
- S - SHIELDED

### P2 T568B