

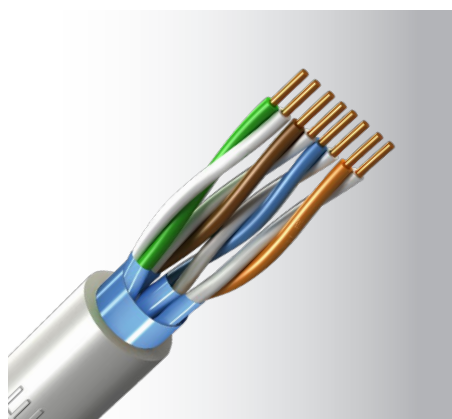
# LAN Cables

Category 6A 4 Pair

Model Code: F/FTP

# KEYLAN

A Product of  **KEYSTONE**  
CABLE



## Related Products



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Application : 

- High Speed Horizontal Cabling (500 MHz)
- 10/100/1000 Base-T
- 100 Mbps Fast Ethernet; 155/622 Mbps ATM; Gigabit Ethernet

Construction : Solid bare copper, foam PE insulated, pair screen (PiMF) (aluminium/polyester tape), overall screen (aluminium/polyester tape with drain wire), RoHS compliant PVC, LSZH, or HDPE sheathed cable

Insulation colour : 

- Blue & White
- Orange & White
- Green & White
- Brown & White

Sheath colour : Grey or Blue (RoHS compliant PVC), Orange (LSZH), Black (HDPE), or as per order

Specification : ANSI/TIA-568.2-D, ISO/IEC 11801, IEC 61156-5

Flame test : UL 1581 (CMX), UL 1685 (CM), UL 1666 (CMR), IEC 60332-1-2

LSZH test : IEC 60754, IEC 61034-2

| Part No.         | Conductor                  | Pair | Approx. Overall Diam. | Standard Length | Approx. Weight | Packaging    |
|------------------|----------------------------|------|-----------------------|-----------------|----------------|--------------|
|                  |                            |      | (mm)                  | (m)             | (kg/500m)      |              |
| <b>444P***6A</b> | Solid Bare Copper (23 AWG) | 4    | 7.6                   | 500             | 28             | Plywood Drum |

## Electrical Properties at 20°C

|                           |              |
|---------------------------|--------------|
| Conductor Resistance      | ≤ 9.38Ω/100m |
| Resistance Unbalance      | ≤ 4%         |
| Mutual Capacitance        | ≤ 5.6nF/100m |
| Capacitance Unbalance     | ≤ 330pF/100m |
| Characteristics Impedance | 100 ± 15Ω    |

## Electrical Data at 20°C

| Frequency | ATTENUATION Max. | NEXT Min. | PSNEXT Min. | ELFEXT Min. | PSELFEXT Min. | RL Min. |
|-----------|------------------|-----------|-------------|-------------|---------------|---------|
| (MHz)     | (dB/100m)        | (dB)      | (dB)        | (dB/100m)   | (dB/100m)     | (dB)    |
| 1         | 2.1              | 75.3      | 72.3        | 68.0        | 65.0          | 20.0    |
| 4         | 3.8              | 66.3      | 63.3        | 56.0        | 53.0          | 23.0    |
| 10        | 5.9              | 60.3      | 57.3        | 48.0        | 45.0          | 25.0    |
| 16        | 7.5              | 57.2      | 54.2        | 43.9        | 40.9          | 25.0    |
| 20        | 8.4              | 55.8      | 52.8        | 42.0        | 39.0          | 25.0    |
| 31.25     | 10.5             | 52.9      | 49.9        | 38.1        | 35.1          | 23.6    |
| 62.5      | 15.0             | 48.4      | 45.4        | 32.1        | 29.1          | 21.5    |
| 100       | 19.1             | 45.3      | 42.3        | 28.0        | 25.0          | 20.1    |
| 200       | 27.6             | 40.8      | 37.8        | 22.0        | 19.0          | 18.0    |
| 300       | 34.3             | 38.1      | 35.1        | 18.5        | 15.5          | 17.3    |
| 400       | 40.1             | 36.3      | 33.3        | 16.0        | 13.0          | 17.3    |
| 500       | 45.3             | 34.8      | 31.8        | 14.0        | 11.0          | 17.3    |