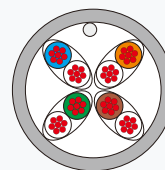


## U-FTP Cat6 Stranded



### Technical data

- **Temperature range(°C):** -20 to 70
- **Velocity ratio(%):** 66
- **Linear resistance (max.):** <154 Ohm/km
- **Mutual capacity (nom.):** 42 pF/m
- **Characteristic impedance:**  
(From 1 to 100 MHz)  $100 \pm 15$  Ohm  
(From 100 to 250 MHz)  $100 \pm 20$  Ohm
- **Bending radius (min.):** 8 x cable diameter
- **Flame retardancy:** CMP, CMR, CMG, CM
- **UL file number is E334179**

### Features and benefits

- Exceeds CAT6 standard specifications
- To be used for CAT6 patch cords
- Available in different colors on request

### Standards and performances

- **CABLE:** - IEC 61156-6  
- EN 50288-6-2
- **SYSTEM:** - EIA/TIA 568-B.2-1 CAT6  
- ISO 11801 Edition 2 - CLASS D  
- EN 50173 Edition 2 – CLASS D

### Network applications

- ISDN - VoIP
- TOKEN RING 4/16 Mbits - 100 VG-AnyLAN
- TP-PMD/TP-DDI - ATM 155, 622, 1200 Mbits
- ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T

### Construction

<b>Conductor</b>	26AWG Stranded BC
<b>Insulation</b>	HDPE
<b>Individual shielding</b>	Al/Pet foil – 110% coverage
<b>Drain wire</b>	TC AWG26
<b>Jacket</b> (dia.mm)	PVC/LSZH 5.7
<b>No. of pairs</b>	4

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB/100m)	Return Loss (dB/100m)
1 MHz	3.0	74.3	20.0
4 MHz	6.0	65.3	23.3
10 MHz	9.0	59.3	25.0
16 MHz	11.0	56.2	25.0
20 MHz	13.0	53.3	24.2
31.25 MHz	16.0	51.9	23.3
100 MHz	30.0	44.3	19.0
200 MHz	44.0	39.8	16.4
250 MHz	49.0	38.3	15.6