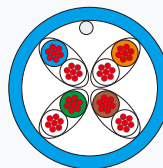


## U-FTP Cat6a Stranded



### Technical data

- Temperature range(°C): -20 to 70
- Velocity ratio(%): 76
- Linear resistance (max.): <154 Ohm/km
- Mutual capacity (nom.): 42 pF/m
- Characteristic impedance:  
(From 1 to 100 MHz)100±15 Ohm  
(From 100 to 250 MHz)100±20 Ohm  
(From 250 to 500 MHz)100±25 Ohm
- Bending radius (min.): 8 x cable diameter
- Flame retardancy: CMP, CMR, CMG, CM
- UL file number is E334179

### Features and benefits

- Exceeds CAT6A standard specifications
- To be used for CAT6A shielded patch cords or CAT6A consolidation point links
- Available in different colors on request

### Standards and performances

- CABLE: - IEC 61156-6  
- EN 50288-10-2  
- EIA/TIA 568-B.2-10 CAT6a
- SYSTEM: - EIA/TIA 568-B.2-10 CAT6a  
- AD 1.0 & AD2.0 ISO 11801

### 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

Conductor	26AWG Stranded BC
Insulation	Foam-skin PE
Individual shielding	Al/Pet foil – 110% coverage
Drain wire	Solid TC AWG26
Jacket (dia.mm)	PVC/LSZH 5.8
No. of pairs	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
300 MHz	56.0	37.1	15.6
400 MHz	65.0	35.3	15.6
500 MHz	74.0	38.3	15.6