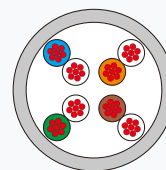


## UTP Cat5e Stranded



### Technical data

- Temperature range(°C): -20 to 70
- Velocity ratio(%): 66
- Linear resistance (max.): <170 Ohm/km
- Mutual capacity (nom.): 50 pF/m
- Characteristic impedance:  
(From 1 to 100 MHz)  $100 \pm 15$  Ohm
- Bending radius (min.): 8 x cable diameter
- Flame retardancy: CMP, CMR, CMG, CM
- UL file number is E334179

### Features and benefits

- Exceeds CAT5e standard specifications
- To be used for CAT5e patch cords
- Available in different colors on request

### Standards and performances

- CABLE: - IEC 61156  
- EN 50288-3-2
- SYSTEM: - EIA/TIA 568-B.2 – CAT5e  
- 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

Conductor	26AWG Stranded BC
Insulation	HDPE
Jacket (dia.mm)	PVC/LSZH 5.4
No. of pairs	4

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB/100m)	Return Loss (dB/100m)
1 MHz	3.0	65.3	20.0
4 MHz	6.2	56.3	23.3
10 MHz	9.8	50.3	25.0
16 MHz	12.3	47.2	25.0
20 MHz	14.0	45.8	25.0
25 MHz	15.7	44.3	24.2
31.25 MHz	17.7	42.9	23.3
62.50 MHz	25.6	38.4	20.7
100 MHz	33.0	35.3	19.0