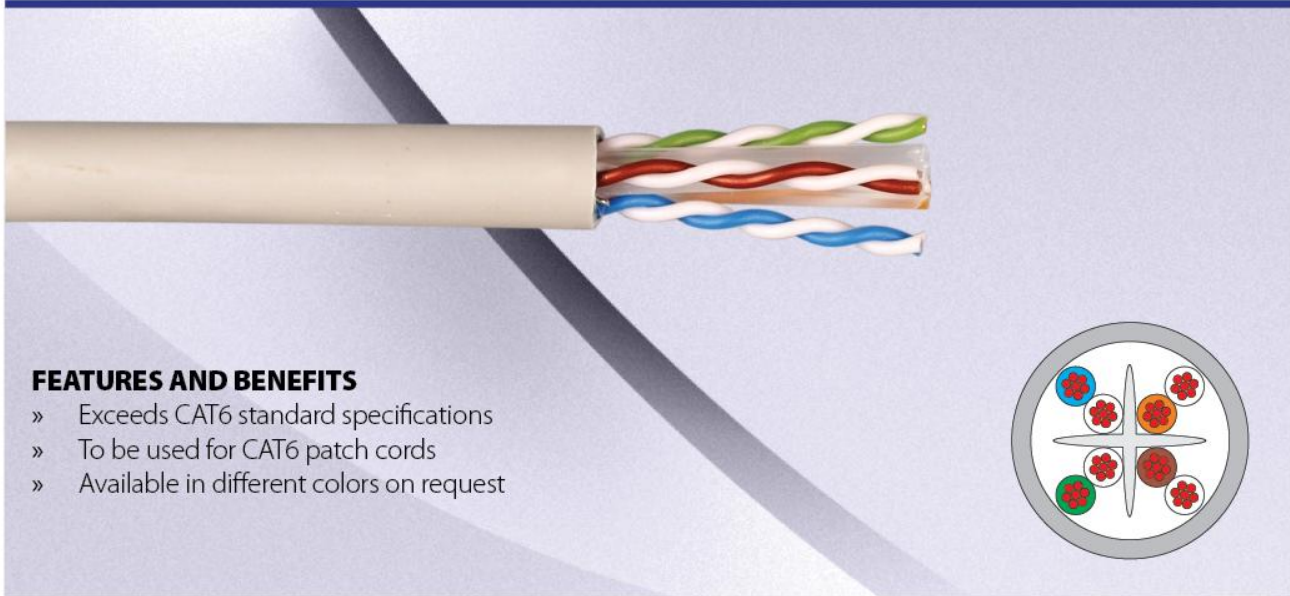


NETWORK COMMUNICATION SOLUTIONS

LAN CABLES

UTP Cat6 STRANDED



FEATURES AND BENEFITS

- » Exceeds CAT6 standard specifications
- » To be used for CAT6 patch cords
- » Available in different colors on request
- » 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±15 Ohm
 - » (From 100 to 250 MHz)100±20 Ohm
- » Bending radius (min.): 8 x cable diameter
- » Flame retardancy: CMP, CMR, CMG, CM
- » UL file number is E334179

Construction

Conductor (dia.mm)	24AWG Stranded BC
Insulation (dia.mm)	HDPE
Flat filler	Low density PE
Jacket (dia.mm)	PVC 5.7 /LSZH
No. of pairs	4

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

Transmission specifications

Frequency (MHz)	Insertion Loss (dB/100m)	Next Loss (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
25 MHz	16.0	51.9	23.3
31.25 MHz	30.0	44.3	19.0
62.50 MHz	44.0	39.8	16.4
100 MHz	49.0	38.3	15.6

Art No

Product Description



FO-LC6S-UTPP

UTP CAT6 Stranded PVC Cable

FO-LC6S-UTPH

UTP CAT6 Stranded LSZH Cable