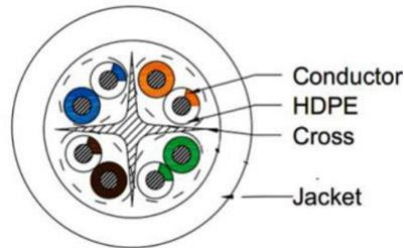


## CAT6e-UTP-305mtrs Copper Cable

### NN-CAT6e-UTP



### Overview:

The NETROs Cat6e SFTP cable offers superior Electrical performance meeting 1000 Base-T requirement for applications such as Data Centres, Server Farms and other bandwidth intensive application.

### Features:

- 10 Base T IEEE802.3
- 100 Base T IEEE802.3u
- 1000 Base T IEEE802.3ab
- 1000 Base –BX10 IEEE802.3ah
- Meets IEEE802.3af and 802.3at PoE Applications supported include ANSI X3T9.5 100 Mbps TP-PMD standard under development, 100 Mbps TPDDI or CDDI (FDDI on UTP), As well as 16 Mbps Token Ring, and other high-speed LAN applications

### Features And Benefits:

- Exceed ISO/IEC 11801, IEC 61156-5, ANSI/TIA/EIA-568-C.2 Standards backward compatible to CAT5e applications
- Excellent Margin with suppression of cross talk (Next)
- 4 pair separator design
- 24 AWG cable
- Optionally Available in Low Smoke Zero Halogen and PE jacket and Armoured

### Low Frequency Electrical Parameter:

- Conductor Resistance (DC): 93.50 OHMS/1000 MTR@20 Degree C. Max
- Resistance Unbalance: 5% Max
- Mutual Capacitance: 5.6 nF/100 mtrs Max
- Capacitance unbalance pair/ground: 330PF/100M Max
- Propagation Delay Skew: 536 nS/100M
- Normal Velocity of Propagation: 69%
- Impedance: 100±15% OHMS
- Worst Case Cable Skew: 45ns/100m
- Generally conforming to EIA/TIA 568-C.

## Construction:

Item	Specifications
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	0.550±0.015mm
Insulation	HDPE
Pair Construction	Four Pairs
Color Code:	
Pair#1	Orange-White with Orange
Pair#2	Brown-White with Brown
Pair#3	Blue-White with Blue
Pair#4	Green-White with Green
Outer Sheath (As per Customer Required)	PVC Sheath
Colour of Sheath	L-Grey
Approximate OD	5.80±0.30mm
Sequential Marketing	At Every Meter
Filler	HDPE
RIP CORD	YES
Packing Length (As per Customer Required)	305 Mtrs.

## High Frequency Electrical Parameter:

FREQ (MHZ)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB @ 100 m) min.	PS.ACRF (dB @ 100 m) min	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0