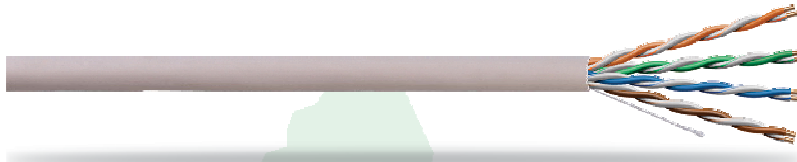


## U/UTP unshielded CAT5e Twisted Pair Installation Cable



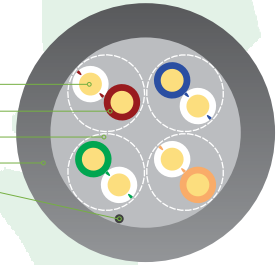
### Application

- Meets or exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards.
- Meets or exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards.
- Third party tested to Category 5e channel compliance.
- UL verified
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.

### Electrical Characteristics

- Impedance: 1-100MHz 100±15(Ohms).
- Rated Temperature: 75°C.
- DC Resistance Unbalance(%): Max 2.5.
- DC Resistance 20°C: 9.5(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ\*Km.
- Dielectric strength: DC 2500V 2S.
- Nominal Velocity of Propagation: 69%
- Propagation Delay: 350MHZ Max 536ns/100m

Copper Conductor  
HDPE Insulation  
Pair  
Jacket  
Rip Cord



### Conductor

Conductor	Solid Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

### Order information (Part Number)

NTNC5E -

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	5.1±0.2
C	CM	5.1±0.2
R	CMR	5.1±0.2
L	LSZH	5.1±0.2
E	LDPE	5.1±0.2

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	2.0	2.0	65.3	76.2	62.3	72.3	63.3	74.2
4	4.1	4.0	56.3	65.7	53.3	62.5	52.2	62.0
8	5.8	5.7	51.8	61.5	48.8	58.5	46.0	56.3
10	6.5	6.4	50.3	56.3	47.3	55.1	43.8	50.4
16	8.2	8.0	47.2	51.9	44.2	48.2	39.0	44.5
20	9.3	9.1	45.8	58.7	42.8	56.5	36.5	50.5
25	10.4	10.2	44.3	55.2	41.3	51.6	33.9	46.0
31.25	11.7	11.5	42.9	54.4	39.9	50.4	31.2	44.1
62.5	17.0	16.4	38.4	47.1	35.4	45.2	21.4	32.5
100	22.0	21.1	35.3	47.3	32.3	44.3	13.3	28.7
155	28.1	26.8	32.4	45.9	29.4	40.4	4.3	23.0
200	32.4	30.0	30.8	40.7	27.8	36.8	---	---
300	41.0	37.2	28.1	38.5	25.1	40.1	---	---
350	44.9	40.1	27.1	36.7	24.1	31.6	---	---

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	20.0	23.4	63.8	75.4	60.8	73.3	60.3	70.3
4	23.0	29.6	51.8	57.3	48.8	56.5	49.2	58.8
8	24.5	25.0	45.7	49.4	42.7	48.0	43.0	53.3
10	25.0	26.5	43.8	46.6	40.8	45.1	40.8	49.2
16	25.0	26.2	39.7	50.2	36.7	47.2	36.0	40.8
20	25.0	27.0	37.8	45.1	34.8	41.9	33.5	48.3
25	24.3	25.9	35.8	40.0	32.8	38.7	30.9	42.4
31.25	23.6	24.3	33.9	42.5	30.9	41.7	28.2	40.1
62.5	21.5	22.0	27.8	39.1	24.8	34.7	18.4	30.6
100	20.1	23.6	23.8	30.9	20.8	28.2	10.3	25.7
155	18.8	27.0	20.0	31.4	17.0	22.6	1.3	17.5
200	18.0	25.4	17.7	26.0	14.7	22.9	---	---
300	16.8	24.2	14.2	27.7	11.2	17.5	---	---
350	16.3	26.9	12.9	22.3	9.9	17.3	---	---