

# NETXS

## Cat6 4/23 UTP Cable



### Application:

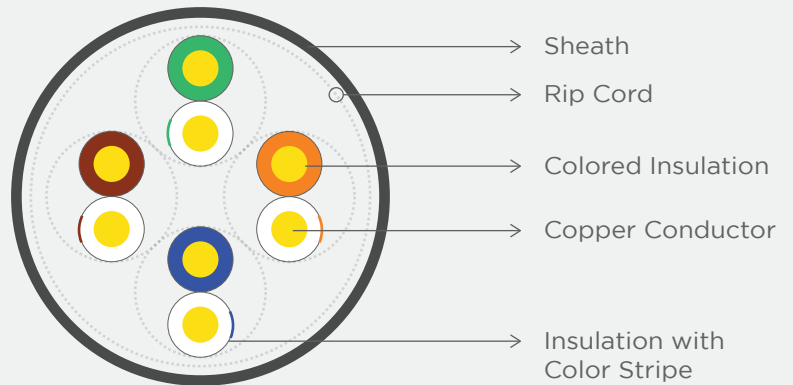
- Analog Audio and Video Signal Transfer
- Riser and Plenum
- Horizontal Cabling
- IEEE 802.5 4/16 MB; ISDN; TPDDI; ATM 155
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- Power over Ethernet: PoE / PoE+

### Standards:

- ANSI / TIA-568.2-D
- ISO / IEC 11801
- IEEE 802.3af / at

### Flame Resistance:

CMP STL : NFPA 262, IEC 60332-1-2  
 CMR STL: UL1666, IEC 60332-1-2



### Construction:

Conductor	ETP-grade copper Ø 23 AWG
Insulation	Polyolefin / Fluoropolymer
Twisting	2 insulated conductors forming one pair
Cable Lay- up	4 twisted pairs
Sheath	CMR / CMP Rated
Nominal Cable Diameter	5.7 mm

### Mechanical Properties:

Bending Radius : < 4 X Cable Dia. (mm) at 20°C ± 1°C  
 Pulling Force : 112N (25 lbs)

#### Temperature Range

Operation : -20° to + 70°C  
 Installation : 0° to + 50°C

**Electrical Properties at 20°C:**

Conductor Resistance : ≤ 9.38 Ω / 100m  
 Mutual Capacitance : ≤ 5.6nF/100m

Resistance Unbalance (Ind.) : 5% Max  
 Capacitance Unbalance : 330pF/100m  
 Delay Skew : < 45nS

**Transmission Characteristics at 20°C**




Frequency (MHz)	RL (dB) Min.	IL (dB) Max.	NEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.	PSNEXT(dB) Min.	Prop. Delay (ns/100M) Max.
1	20.0	2.0	74.3	67.8	64.8	72.3	570
4	23.0	3.8	65.3	55.8	52.8	63.3	552
8	24.5	5.3	60.8	49.7	46.7	58.8	547
10	25.0	6.0	59.3	47.8	44.8	57.3	545
16	25.0	7.6	56.2	43.7	40.7	54.2	543
20	25.0	8.5	54.8	41.8	38.8	52.8	542
25	24.3	9.5	53.3	39.8	36.8	51.3	541
31.25	23.6	10.7	51.9	37.9	34.9	49.9	540
62.5	21.5	15.4	47.4	31.9	28.9	45.4	539
100	20.1	19.8	44.3	27.8	24.8	42.3	538
200	18.0	29.0	39.8	21.8	18.8	37.8	537
250	17.3	32.8	38.3	19.8	16.8	36.3	536
300	16.8*	36.43*	37.1*	18.3*	15.3*	35.1*	536*
400	15.9*	42.97*	35.3*	15.8*	12.8*	33.3*	536*
500	15.2*	48.94*	33.8*	13.8*	10.8*	31.8*	536*
550	14.9*	51.76*	33.2*	13*	10*	31.2*	536*

\* All Values beyond 250 MHz are for information only

**Color Code:**

PAIR NO	COLOR
1	White-Blue Stripe and Blue
2	White-Orange Stripe and Orange
3	White- Green Stripe and Green
4	White-Brown Stripe and Brown

**Jacket Color (C1 C2):**

 Grey (01)	 Blue (02)
 Black (08)	 White (04)

**Packaging:** Available in Reelex-II (03) of guaranteed 1000ft length  
 (P1 P2) Available in Reel of 1000ft length (04) / Reel of 1640ft length (05)

**Product Code / Part No:**

Part No	Product Name	Fire Rating
SLITE 211222-C1C2P1P2-NF	NetXs Category 6 4/23 UTP CMR Cable	UL-CMR
SLITE 211224-C1C2P1P2-NF	NetXs Category 6 4/23 UTP CMP Cable	UL-CMP



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