

NETXS

Cat5e 4P UTP Cable



Application:

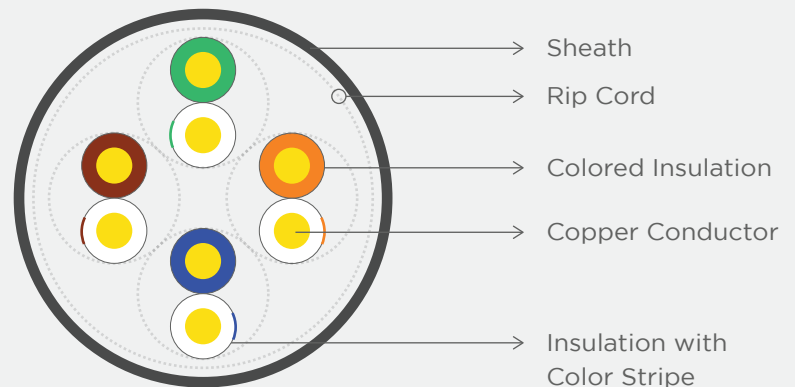
- Analog Audio and Video Signal Transfer
- Riser and Plenum
- Horizontal Cabling
- IEEE 802.5 4/16 MB; ISDN; TPDDI; ATM 155
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- Power over Ethernet: PoE / PoE+

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 24 AWG
Insulation	Polyolefin / Fluoropolymer
Twisting	2 insulated conductors forming one pair
Cable Lay- up	4 twisted pairs
Sheath	CMR / CMP-rated
Nominal Cable Diameter	5.1 mm

Mechanical Properties:

Bending Radius : < 4 X Cable Dia. (mm) at 20°C ± 1°C
 Pulling Force : 100N (22.5 lbs)

Temperature Range

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

Electrical Properties at 20°C:

Impedance	: 100 ± 15 Ω	Resistance Unbalance (Ind.)	: 5% Max
Conductor Resistance	: < 9.38 Ω/100m	Capacitance Unbalance	: 330pF/100m
Mutual Capacitance	: < 5.6nF/100m	Delay Skew	: < 45nS

Transmission Characteristics at 20°C:

Frequency (MHz)	IL (dB) Max.	NEXT (dB) Min.	RL (dB) Min.	PS NEXT(dB) Min.	ACR-F (dB) Min.	PSACRF (dB) Min.
1	2.0	65.3	20.0	62.3	63.8	60.8
4	4.1	56.3	23.0	53.3	51.8	48.8
8	5.8	51.8	24.5	48.8	45.7	42.7
10	6.5	50.3	25.0	47.3	43.8	40.8
16	8.2	47.2	25.0	44.2	39.7	36.7
20	9.3	45.8	25.0	42.8	37.8	34.8
25	10.4	44.3	24.3	41.3	35.8	32.8
31.25	11.7	42.9	23.6	39.9	33.9	30.9
62.5	17.0	38.4	21.5	35.4	27.9	24.9
100	22.0	35.3	20.1	32.3	23.8	20.8
200*	32.4*	30.8*	18.0*	27.8*	17.8*	14.8*
300*	41.0*	28.1*	16.8*	25.1*	14.3*	11.3*
350*	44.9*	27.1*	16.3*	24.1*	12.9*	9.9*

* All values beyond 100 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) in 1000ft length (P1 P2)

Product Code / Part No:

Part No	Product Name	Fire Rating
111322-C1C2P1P2	NetXs Category 5e 4P UTP CMR Cable	UL-CMR
111324-C1C2P1P2	NetXs Category 5e 4P UTP CMP Cable	UL-CMP



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