

NETXS

Cat6A U/UTP Cable

Special Filler



Application:

- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T, 10Gbase-T
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Power over Ethernet (PoE / PoE+) / Type 1-4
- Enhanced Alien Cross Talk Performance
- Patented Design

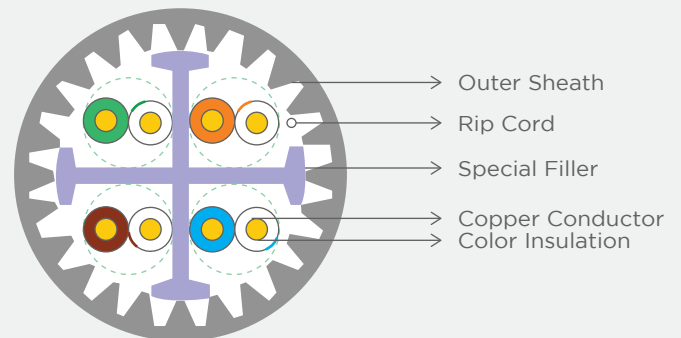
Standards:

- ANSI / TIA-568.2-D & ISO / IEC 11801
- EN 50173-1; EN 50288-10-1
- IEC 61156-5
- IEEE 802.3 af / at / bt

Flame Resistance:

LSHF: EN 60332-1; EN 60754-1 & 2, EN 61034-2, Class CPR-Eca / Dca
 PVC: EN 60332-1 Class CPR-Eca

Construction:



Conductor	ETP-grade copper Ø 23 AWG
Insulation	Polyolefin
Twisting	2 insulated conductors forming one pair
Cable Lay- up	4 twisted pairs / innovative design filler
Sheath	LSHF / PVC
Nominal Cable Diameter	7.6 mm

Mechanical Properties:

Bending Radius : 4 x Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
 Pulling Force : 112 N

Temperature Range

Installation : 0° to $+50^{\circ}\text{C}$
 Operation : -20° to $+75^{\circ}\text{C}$

Electrical Properties at 20°C:

Conductor Resistance	: < 9.38 Ω /100m	Capacitance Unbalance	: 330pF / 100m
Mutual Capacitance	: < 5.6nF / 100m	Delay Skew	: < 45nS
Resistance Unbalance	: 5% Max	Propagation (NVP)	: 65%


Transmission Characteristics at 20°C:

Frequency (MHz)	Insertion Loss (dB) Max.	RL (dB) Min.	NEXT (dB) Min.	PSNEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15.0	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	38.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

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)
 Red (03)	 White (04)
 Violet (05)	 Orange (06)
 Yellow (07)	

Packaging: Available in Reel of 305m(1000ft) **(04)** / Reel of 500 m(1640ft) **(05)**
(P1 P2) Length Tolerance: +/- 2 meter

Product Code / Part No:

Part No	Product Name	Euro Class
32127-S-C1C2P1P2	Cat 6A U/UTP-LSHF-Special Filler	CPR-Eca
32128-S-C1C2P1P2	Cat 6A U/UTP-LSHF-Special Filler	CPR-Dca
31127-S-C1C2P1P2	Cat 6A U/UTP-PVC-Special Filler	CPR-Eca

Refer to Jacket Color and Packaging details for C1C2 and P1P2 respectively



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