

# NETXS

## Cat6A U/UTP Cable Special Filler and Jacket



### 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 Crosstalk Performance
- Patented Design

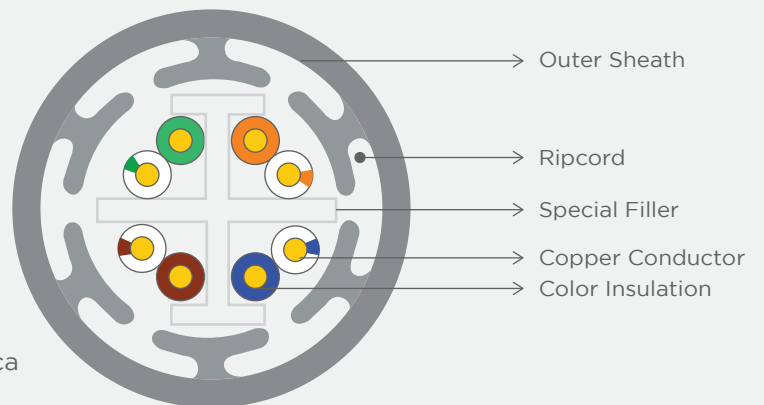
### Standards:

- ANSI / TIA-568.2-D and 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; 60754-2; Class CPR-Eca / Dca / Cca

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 / special shape filler
Sheath	LSHF / PVC patented design
Nominal Cable Diameter	7.8 mm

### Mechanical Properties:

Bending Radius : Min. 8 x Cable Diameter

Pulling Force : 112 N

#### Temperature Range

Installation : 0° to + 50°C

Operation : -20° to +70°C

**Electrical Properties at 20°C:**

Characteristic Impedance	: 100 ± 15 Ω	Resistance Unbalance	: 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)	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 <b>(01)</b>	 Blue <b>(02)</b>
 Red <b>(03)</b>	 White <b>(04)</b>
 Violet <b>(05)</b>	 Orange <b>(06)</b>
 Yellow <b>(07)</b>	

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

**Product Code / Part No:**

Part No	Product Name	Euro Class
32127-M-C1C2P1P2	Cat 6A U/UTP-LSHF-Special Filler & Jacket	CPR-Eca
32128-M-C1C2P1P2	Cat 6A U/UTP-LSHF-Special Filler & Jacket	CPR-Dca
32129-M-C1C2P1P2	Cat 6A U/UTP-LSHF-Special Filler & Jacket	CPR-Cca
31127-M-C1C2P1P2	Cat 6A U/UTP-PVC-Special Filler & Jacket	CPR-Eca

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



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