

NETXS

Cat6A F/FTP Cable

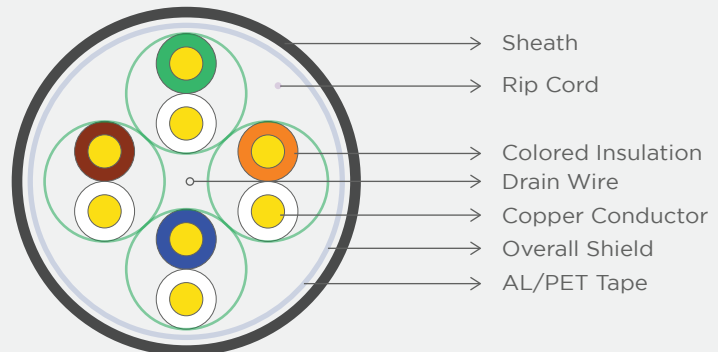


Application:

- 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

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, Class CPR-Eca / Dca / Cca
 PVC: EN 60332-1 Class CPR-Eca
 PE: Class CPR-Fca

Construction:

Conductor	ETP-grade copper Ø 23 AWG
Insulation	Foamed polyethylene
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs
Shield	Individual pairs / overall core shielded with aluminium / polyester tape, drain wire
Sheath	LSHF / PVC / PE
Nominal Cable Diameter	7.5 mm

Mechanical Properties:

Bending Radius : 8 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 $+70^{\circ}\text{C}$

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)	Max attenuation (dB/1 00M)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF	PSACRF
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	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 and Blue
2	White and Orange
3	White and Green
4	White and Brown

Jacket Color (C1 C2):

 Grey (01)	 Blue (02)
 Red (03)	 White (04)
 Violet (05)	 Orange (06)
 Yellow (07)	 PE-Black (08)

Packaging: 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
32427-C1C2P1P2	Cat 6A F/FTP-LSHF	CPR-Eca
32428-C1C2P1P2	Cat 6A F/FTP-LSHF	CPR-Dca
32429-C1C2P1P2	Cat 6A F/FTP-LSHF	CPR-Cca
31427-C1C2P1P2	Cat 6A F/FTP-PVC	CPR-Eca
33426-C1C2P1P2	Cat 6A F/FTP-PE	CPR-Fca

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



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