

NETXS

Cat5e F/UTP Cable

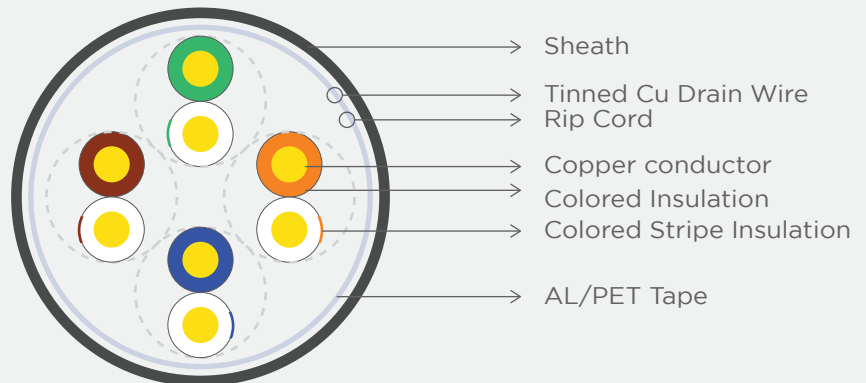


Application:

- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Power over Ethernet (PoE) / Type 1-2

Standards:

- ANSI / TIA-568.2-D
- ISO / IEC 11801
- IEC 61156-5
- EN 50173; EN 50288-3-1
- IEEE 802.3af / at



Flame Resistance:

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

Construction:

Conductor	ETP-grade copper Ø 24 AWG
Insulation	Polyolefin
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs
Shield	Aluminum-polyester tape Tinned copper drain wire
Sheath	LSHF / PVC / PE
Nominal Cable Diameter	6.3 mm

Mechanical Properties:

Bending Radius : < 8 X Cable Dia. (mm) at -20°C ± 1°C
 Pulling Force : 93 N

Temperature Range

Operation : -20° to +75°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
 Nominal Velocity of Propagation : 69%




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

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)	 PE-Black (08)

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

Product Code / Part No:

Part No	Product Name	Euro Class
12237-C1C2P1P2	Cat 5e F/UTP-LSHF	CPR-Eca
12238-C1C2P1P2	Cat 5e F/UTP-LSHF	CPR-Dca
11237-C1C2P1P2	Cat 5e F/UTP-PVC	CPR-Eca
13236-C1C2P1P2	Cat 5e F/UTP-PE	CPR-Fca

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



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