

NETXS

Cat 5e U/UTP Cable

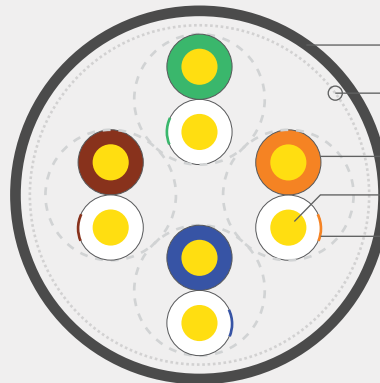


Application:

- Horizontal Cabling, Backbone Cabling, Digital & Analog Audio & 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



- Sheath
- Rip Cord
- Colored Insulation
- Copper Conductor
- Colored Stripe Insulation

Flame Resistance:

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

Construction:

Conductor	Bare copper wire Ø 24 AWG
Insulation	Polyolefin
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs
Sheath	LSHF / PVC / PE
Nominal Cable Diameter	5.0 mm

Mechanical Properties:

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

Temperature Range

Operation : -20° to +70°C
 Installation : 0° to +50°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 (Ind.)	: 5% Max		




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 Reelex I packing of 305m(1000 ft) **(02)**/
(P1 P2) Available in Reelex II packing of 305m(1000 ft) **(03)**/ Reel of 500m(1640ft) **(05)**
 Length Tolerance: +/- 2 meter

Product Code / Part No:

Part No	Product Name	Euro Class
12137-C1C2P1P2	Cat 5e U/UTP-LSHF	CPR-Eca
12138-C1C2P1P2	Cat 5e U/UTP-LSHF	CPR-Dca
12139-C1C2P1P2	Cat 5e U/UTP-LSHF	CPR-Cca
11137-C1C2P1P2	Cat 5e U/UTP -PVC	CPR-Eca
13136-C1C2P1P2	Cat 5e U/UTP -PE	CPR-Fca

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



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