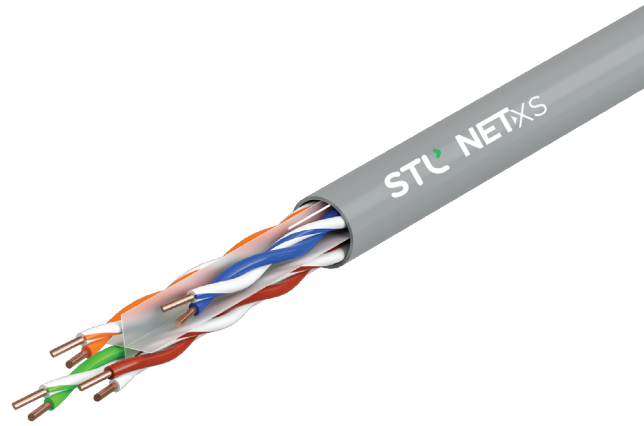


# NETXS

## Cat6 U/UTP Cable



### Application:

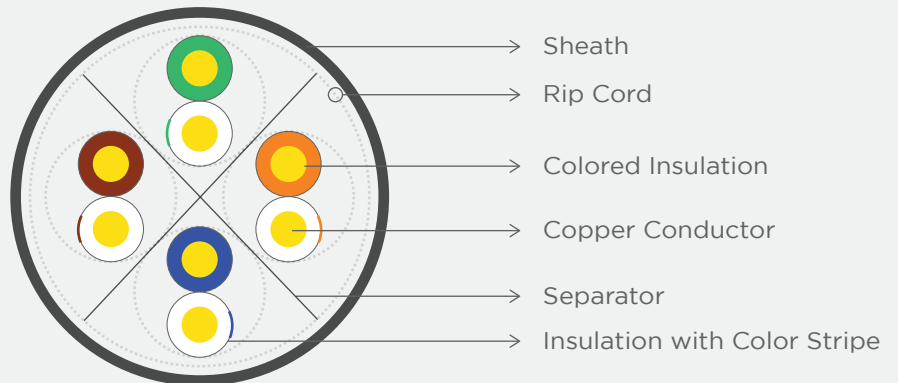
- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Standards:

- ANSI / TIA-568.2-D
- ISO / IEC 11801 2nd ed; IEC 61156 - 5;
- EN 50173-1, EN 50288-6-1
- IEEE 802.3af / at / bt

### Flame Resistance:

- LSHF: EN 60332-1; 60754-1 & 2;  
 EN 61034-2; Class CPR-Dca / Eca  
 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 / Polymer cross filler
Sheath	LSHF / PVC / PE
Nominal Cable Diameter	5.8 mm

### Mechanical Properties:

Bending Radius : < 4 X Cable Dia. (mm) at -20°C ± 1°C  
 Pulling Force : 112 N

#### Temperature Range

Operation : -20° to +70°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









**Transmission Characteristics at 20°C:**

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT*(dB) Min.	RL (dB) Min.	PSNEXT(dB) Min.	ACR-F (dB) Min.	PSACRF (dB) Min.
1	1.9	65	19.1	62	64.2	61.2
4	3.5	64.1	21	61.8	52.1	49.1
8	5	59.4	21	57	46.1	43.1
10	5.5	57.8	21	55.5	44.2	41.2
16	7	54.6	20	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19	49.1	36.2	33.2
31.25	10	50	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16	42.7	28.3	25.3
100	18.6	41.8	14	39.3	24.2	21.2
200	27.4	36.9	11	34.3	18.2	15.2
250	31.1	35.3	10	32.7	16.2	13.2

**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>	 PE-Black <b>(08)</b>

**Packaging:** 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
22138-C1C2P1P2	Cat 6 U/UTP -LSHF-Simplex-5.8	CPR-Dca
22137-C1C2P1P2	Cat 6 U/UTP -LSHF-Simplex-5.8	CPR-Eca
21137-C1C2P1P2	Cat 6 U/UTP -PVC-Simplex-5.8	CPR-Eca
23136-C1C2P1P2	Cat 6 U/UTP -PE-Simplex-5.8	CPR-Fca

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



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