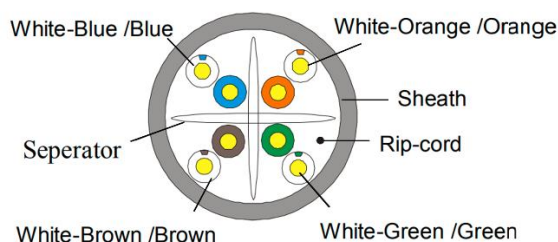


Application

Prose CAT6 UTP 24WG data cables are designed for unshielded cabling system. Prose Category 6 data cables meet the requirements of ANSI/TIA-568.2-D, UL444 and ISO/IEC11801 2nd. Prose provides different jacket material such as PVC, CM, CMR, CMP, LSZH for different applications.

Construction

- Construction: 4×2×AWG24
- Conductor: AWG 24 solid copper($0.530 \pm 0.005\text{mm}$)
- Insulation: HDPE
- Insulation Diameter: $0.95 \pm 0.05\text{mm}$
- Core: 4 twist pairs
- Color Code: White&Blue/Blue, White&Orange/Orange, White&Green/Green, White&Brown/Brown
- Filling: “+” style
- Sheath: LSZH
- Sheath Colour: Orange is default, Blue, Grey, Purple, Red, White, etc, other colour is customized
- Normal Diameter: 5.8mm
- Weight: 12.0kg/305m



Permanent Performance at 20°C

Frequency (MHz)	ATT (dB/100m)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
	Max.	Min.	Min.	Min.	Min.	Min.
1	2.0	74.3	20.0	72.3	67.8	64.8
4	3.8	65.3	23.0	63.6	55.8	52.8
8	5.3	60.8	24.5	58.8	49.7	46.7
10	6.0	59.3	25.0	57.3	47.8	44.8
16	7.6	56.2	25.0	54.2	43.7	40.7
20	8.5	54.8	25.0	52.8	41.8	38.8
25	9.5	53.3	24.3	51.3	39.8	36.8
31.25	10.7	51.9	23.6	49.9	37.9	34.9
62.5	15.4	47.4	21.5	45.4	31.9	28.9

100	19.8	44.3	20.1	42.3	27.8	24.8
200	29.0	39.8	18.0	37.8	21.8	18.8
250	32.8	38.3	17.3	36.3	19.8	16.8

Permanent Performance at 20°C

DC resistance	≤9.38ohm/100m
Unbalanced resistance	≤5%
Unbalance capacitance	≤330pF/100m
Capacitance	≤5.6nF/100m
Dielectric strength	DC 1kv (3s No Fail)
Insulation resistance	≥5000Mohm.Km
Impedance	1-250MHZ (100±15) ohm
Delay skew	≤45ns

Mechanical Performance at 20°C

Bending radius	
During installation (min.)	8×outer diameter
Installed (min.)	4×outer diameter
Temperature range	
During installation	0°C to +50°C
Installed	-20°C to +60°C

Ordering Information

Product Series	Category	-	Structure	Sheath	Pairs	-	Application Environment	Length+ Package	Color
CC: Copper Cable	6E:Cat6 Economic al		1:UTP Unshielded Twisted Pair 2:F/UTP Foil/Unshielded Twisted Pair 3:U/FTP Unshielded/Foil Twisted Pair 4:F/FTP Foil/Foil Twisted Pair 5:S/FTP Shielded/Foil Twisted Pair	1:PVC CM 2:LSZH IEC60332-1 3:PVC CMR 4:PVC CMP 5:LSZH IEC60332-3-24 (3C) 6:LSZH IEC60332-3-22(3A) 7: PE 8: PVC 9: CMX	1:Stand ard		1: indoor 2: outdoor	0:Custom length 1:305m/Box 2:500m/Reel 3:1000m/Reel 4:100m/Box 5: 305m Box with Reel 6: 305m/Reel	GY: Grey OR: Orange BL: Blue RD: Red GR: Green YL: Yellow WH: White PL: Purple BK: Black

Cat6 UTP Data Cable, 24AWG
CC6E-121-1XXX



			6:SF/UTP					
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For Example:

Order Number	Description
CC6E-121-11BL	Cable, Cat6, UTP, 24AWG, LSZH, Blue, 305m
CC6E-121-11OR	Cable, Cat6, UTP, 24AWG, LSZH, Orange, 305m

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