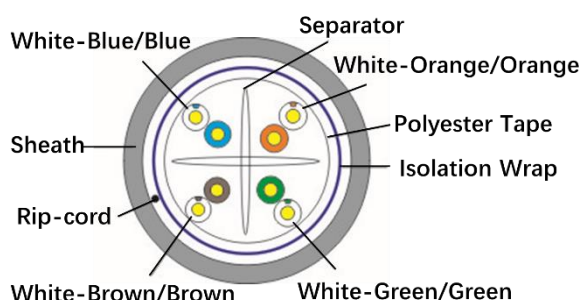


Application

Prose indoor CAT6A UTP cable are designed for unshielded cabling system. Prose Category 6A cables meet and exceed the requirements of ANSI/TIA-568.2-D, UL444 and ISO/IEC 11801 2nd. Prose provides different jacket material including CMX, CM, CMR, CMP, LSZH for different applications.

Construction

- Construction: 4×2×AWG23
- Conductor: AWG 23 solid copper
- Insulation: HDPE
- Insulation Diameter: $1.12 \pm 0.05\text{mm}$ / $1.16 \pm 0.05\text{mm}$
- Core: 4 twist pairs
- Color Code: White&Blue/Blue, White&Orange/Orange, White&Green/Green, White&Brown/Brown
- Filling: PE
- Sheath: CMX, CM, CMR, CMP, LSZH
- Sheath Colour: Blue(PVC), Orange(LSZH), Grey, Purple, Red, White, etc, other colour is customized
- Normal Diameter: 7.3 mm
- Weight: 15.8kg/305m



Permanent Performance at 20°C

Frequency (MHz)	ATT (dB/100m)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ACRF (dB)	PS-ACRF (dB)	PS-ANEXT (dB)	PS-AACRF (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Max.
1.0	2.1	74.3	20.0	72.3	67.8	64.8	67.0	67.0
4.0	3.8	65.3	23.0	63.3	55.8	52.8	67.0	66.2
8.0	5.3	60.8	24.5	58.8	49.7	46.7	67.0	60.1
10.0	5.9	59.3	25.0	57.3	47.8	44.8	67.0	58.2
16.0	7.5	56.2	25.0	54.2	43.7	40.7	67.0	54.1
20.0	8.4	54.8	25.0	52.8	41.8	38.8	67.0	52.2
25.0	9.4	53.3	24.3	51.3	39.8	36.8	67.0	50.2
31.25	10.5	51.9	23.6	49.9	37.9	34.9	67.0	48.3
62.5	15.0	47.4	21.5	45.4	31.9	28.9	65.6	42.3

100.0	19.1	44.3	20.1	42.3	27.8	24.8	62.5	38.2
200	27.6	39.8	18.0	37.8	21.8	18.8	58.0	32.2
250	31.1	38.3	17.3	36.3	19.8	16.8	56.5	30.2
300	34.3	37.1	16.8	35.1	18.3	15.3	55.3	28.7
400	40.1	35.3	15.9	33.3	15.8	12.8	53.5	26.2
500	45.3	33.8	15.2	31.8	13.8	10.8	52.0	24.2

Permanent Performance at 20°C

DC resistance	≤9.50ohm/100m
Unbalanced resistance	≤5%
Unbalance capacitance	≤330pF/100m
Capacitance	≤5.6nF/100m
Dielectric strength	DC 1kv (3s No Fail)
Insulation resistance	≥5000Mohm.Km
Impedance Delay skew	1-250MHZ (100±15) ohm
	125-250MHZ (100±22) ohm
	250-600MHZ (100±25) ohm
	≤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	6A:Cat6A 23AWG		1:UTP Unshielded Twisted Pair 2:F/UTP Foil/Unshielded Twisted Pair	1:PVC CM 2:LSZH IEC60332-1 3:PVC CMR 4:PVC CMP 5:LSZH IEC60332-3-	1:Standard		1: indoor 2: outdoor	0:Custom length 1:305m/Box 2:500m/Reel 3:1000m/Reel	GY: Grey OR: Orange BL: Blue RD: Red GR: Green

Cat6A UTP Data Cable
CC6A-1X1-1XXX

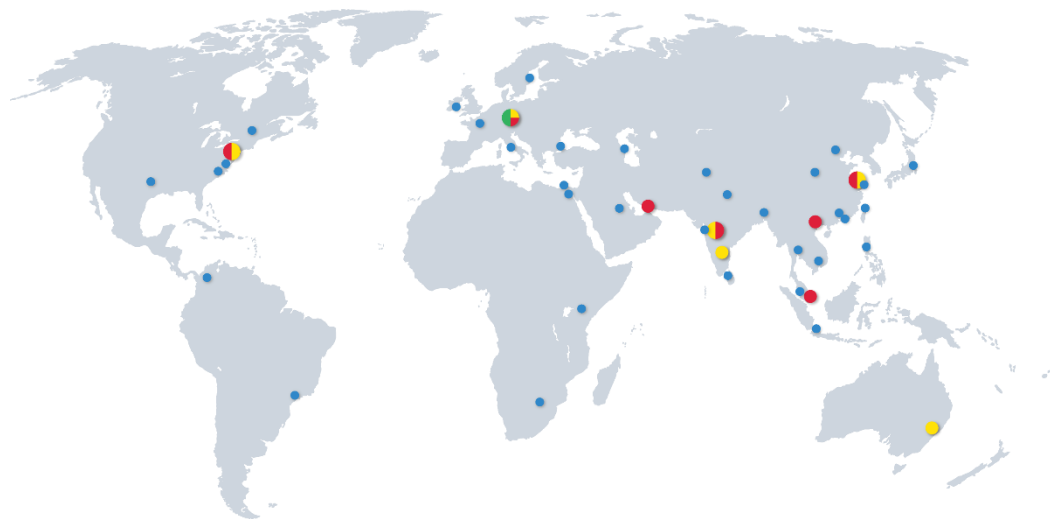


		3:U/FTP Unshielded/Foil Twisted Pair 4:F/FTP Foil/Foil Twisted Pair 5:S/FTP Shielded/Foil Twisted Pair 6:SF/UTP	24 (3C) 6:LSZH IEC60332-3- 22(3A) 7: PE 8: PVC 9: CMX				4:100m/Box 5: 305m Box with Reel 6: 305m/Reel	YL: Yellow WH: White PL: Purple BK: Black
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For Example:

Order Number	Description
CC6A-111-16BL	Cable, Cat6A, UTP, 23AWG, PVC CM, Blue, 305m/Reel
CC6A-121-16OR	Cable, Cat6A, UTP, 23AWG, LSZH, Orange, 305m/Reel

GLOBAL FOOTPRINT



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