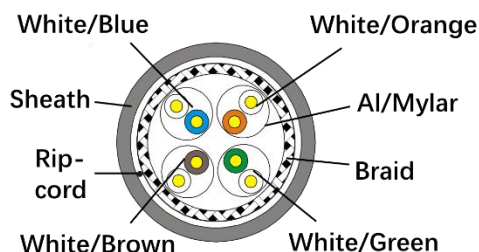


Applications

Prose indoor CAT6A S/FTP cables are designed for shielded structured cabling system. Prose Category 6A indoor cables meet and exceed the requirements of ANSI/TIA-568.2-D, UL444 and ISO/IEC11801 2nd. Prose provides different jacket materials including PVC, CM, CMR, CMP and LSZH for different applications.

Construction

- Construction: 4×2×AWG23
- Conductor: AWG 23 solid copper
- Insulation: HDPE
- Insulation Diameter: $1.33 \pm 0.05\text{mm}$
- Core: 4 twist pairs
- Color Code: White/Blue, White/Orange, White/Green, White/Brown
- Outer Screen Material: Tinned Copper
- Coverage: $\geq 40\%$
- Sheath: PVC, LSZH, CM, CMR, CMP
- Colour: Blue(PVC), Orange(LSZH), other colour is customized
- Normal Diameter: 7.5mm
- Weight: 17.0kg/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.	Min.
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	≤9.38ohm/100m
Unbalanced resistance	≤5%
Unbalance capacitance	≤330pF/100m
Capacitance	≤5.6nF/100m
Dielectric strength	DC 1kv (3s No Fail)
Insulation resistance	≥5000Mohm.Km
Impedance Delay skew	1-250MHZ (100±15) ohm
	250-500MHZ (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

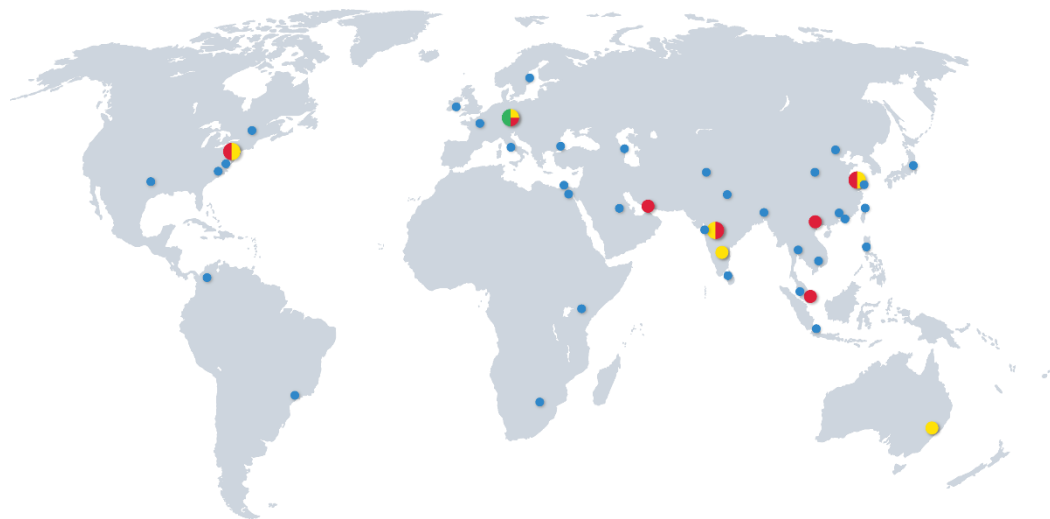
Product Series	Category	-	Structure	Sheath	Pairs	-	Application Environment	Length+ Package	Color
CC: Copper Cable	6A:Cat6A 23AWG		1:UTP Unshielded Twisted Pair 2:F/UTP Foil/Unshielded Twisted Pair 3:U/FTP	1:PVC CM 2:LSZH IEC60332-1 3:PVC CMR 4:PVC CMP 5:LSZH IEC60332-3-24 (3C)	1:Stand ard		1: indoor 2: outdoor	0:Custom length 1:305m/Box 2:500m/Reel 3:1000m/Reel 4:100m/Box	GY: Grey OR: Orange BL: Blue RD: Red GR: Green YL: Yellow

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

Order Number	Description
CC6A-511-16BL	Cable, Cat6A, S/FTP, 23AWG, PVC CM, Blue, 305m/Reel
CC6A-521-16OR	Cable, Cat6A, S/FTP, 23AWG, LSZH, Orange, 305m/Reel
CC6A-531-16BL	Cable, Cat6A, S/FTP, 23AWG, CMR, Blue, 305m/Reel
CC6A-541-16BL	Cable, Cat6A, S/FTP, 23AWG, CMP, Blue, 305m/Reel
CC6A-581-16BL	Cable, Cat6A, S/FTP, 23AWG, PVC, Blue, 305m/Reel

GLOBAL FOOTPRINT



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