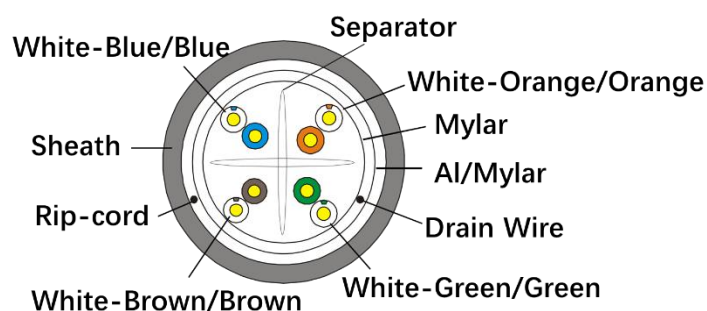


Applications

Prose indoor CAT6 F/UTP cables are designed for shielded structured cabling system. Prose Category 6 indoor cables meet and exceed the requirements of ANSI/TIA-568.2-D, UL444 and ISO/IEC11801 2nd. Prose provides different jacket material including PVC, CM, CMR, CMP, LSZH for different applications.

Construction

- Construction: 4×2×AWG23
- Conductor: AWG 23 solid copper
- Insulation: HDPE
- Insulation Diameter: 1.12±0.05mm
- Core: 4 twist pairs
- Color Code: White&Blue/Blue, White&Orange/Orange, White&Green/Green, White&Brown/Brown
- Foil: PET tape
- Screen : AL+PET tape
- Filler: “+” type
- Sheath: PVC, LSZH, CM, CMR, CMP
- Colour: Blue(PVC), Orange(LSZH), other colour is customized
- Normal Diameter: 7.4mm
- Weight: 16.5kg/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	63.3	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	≤9.50ohm/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
	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	60:Cat6 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

Cat6 F/UTP Data Cable

CC60-2X1-1XXX

PROSE

			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
CC60-211-16BL	Cable, Cat6, F/UTP, 23AWG, PVC CM, Blue, 305m/Reel
CC60-221-16OR	Cable, Cat6, F/UTP, 23AWG, LSZH, Orange, 305m/Reel
CC60-231-16BL	Cable, Cat6, F/UTP, 23AWG, CMR, Blue, 305m/Reel
CC60-281-16BL	Cable, Cat6, F/UTP, 23AWG, PVC, Blue, 305m/Reel

A world map showing the distribution of 100 countries. The map is light gray with white outlines for continents and countries. Colored dots are placed on the map to indicate specific locations. The dots are colored blue, red, yellow, and green. There are 100 dots in total, representing the 100 countries mentioned in the text. The dots are distributed across all continents, with a higher concentration in Asia and Europe.

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