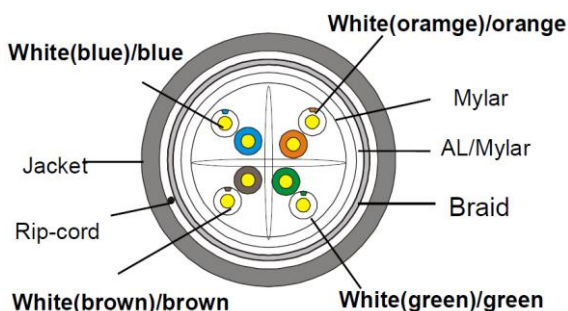


Application

Prose CAT6 SF/UTP data cables are designed for unshielded cabling system. Prose Category 6 data cables meet and exceed the requirements of ISO/IEC11801, ANSI/TIA-568.2-D. Prose provides different jacket material such as PVC(complies RoHS),CM for different applications.

Construction

- Conductor: SOLID-Bare Copper
- Insulation: HDPE
- Insulation Diameter: 1.12 ± 0.08 mm
- Core: 4 twist pairs
- Color Code: White&Blue/Blue,White&Orange/Orange,White&Green/Green,White&Brown/Brown
- Filling: “ + ” style
- Sheath: PVC(complies RoHS),CM
- Sheath Colour: TBD
- Normal Diameter: 7.8 ± 0.4 mm
- Packing length: 305 ± 1.5 m



Permanent Performance at 20°C

Frequency (MHz)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PHASE DELAY(ns)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
	Min.	Max.	Min.	Max.	Min.	Min.	Min.
1	20.0	-	74.3	570.00	72.3	67.8	64.8
4	23.0	3.78	65.3	552.00	63.6	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8

200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

Permanent Performance at 20°C

Impedance (1-250MHz)	100±15 Ω
Delay Skew (1-250MHz)	≤45ns/100m
unbalanced-to-ground capacitance	≤330pf/100m
DC Resistance	≤9.38Ω/100m
DC Conductor Resistance Unbalance	≤5.0%

Mechanical Performance at 20°C

Before Aging	Tensile Strength	≥13.5 Mpa
	Elongation	≥150%
Aging Period		100°C×24h×7d°C×hrs
After Aging	Tensile Strength	≥12.5 Mpa
	Elongation	≥125%
Cold bend (-20±2°C×4h)		8×Cable O.D., No visible cracks

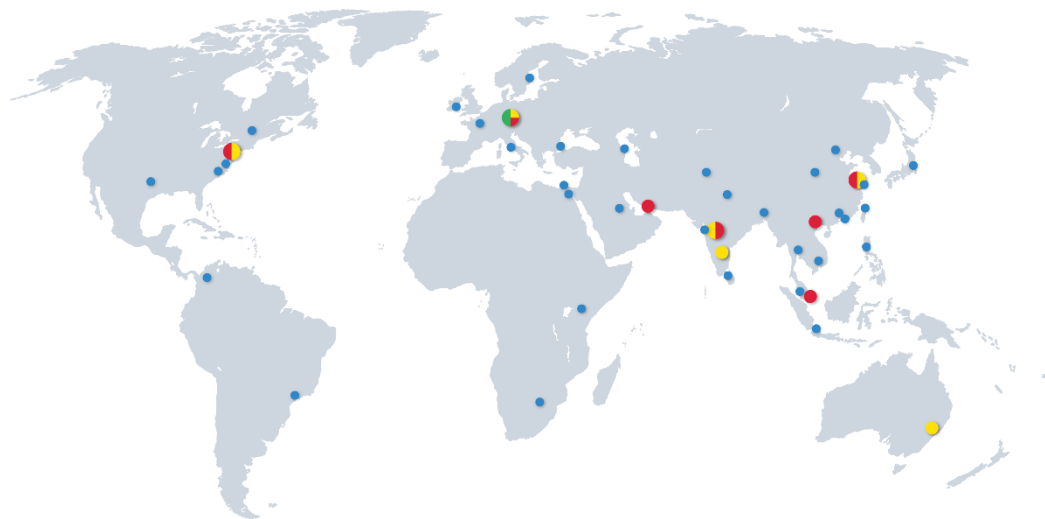
Ordering Information

Product Series	Category	-	Structure	Sheath	Pairs	-	Application Environment	Length+ Package	Color
CC:Copper Cable	60:Cat6 23AWG		6:SF/UTP	1:PVC CM 2:LSZH IEC60332-1	1: Standard		1: indoor 2: outdoor	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

For Example:

Order Number	Description
CC60-611-16BL	Cable, Cat6, SF/UTP, 23AWG, PVC CM, Blue, 305m/Reel
CC60-621-16OR	Cable, Cat6, SF/UTP, 23AWG, LSZH, Orange, 305m/Reel

GLOBAL FOOTPRINT



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