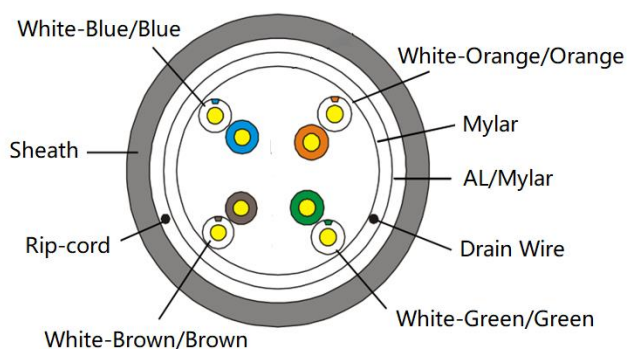


Applications

Prose indoor Cat5e F/UTP cables are designed for shielded structured cabling system. Prose Category 5e cables meet and exceed the requirements of ANSI/TIA-568.2-D, UL444, EN 50173 and ISO/IEC11801 2nd. Prose provides different jacket material for different applications.

Construction

- Construction: 4×2×AWG24
- Conductor: AWG 24 solid copper
- Insulation: HDPE
- Screen: AL/PET tape
- Sheath: PVC (CM, CMR, CMX, CMP), LSZH
- Colour: Blue(PVC), Orange(LSZH), Grey, Purple, Red, White, etc, other colour is customized
- Nominal diameter: 6.2 mm
- Weight: 11.9kg/305m



Permanent Performance at 20°C

Frequency (MHz)	IL (dB/100m)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
	Max.	Min.	Min.	Min.	Min.	Min.
0.772	1.8	67.0	19.4	64.0	66.0	63.0
1.0	2.0	65.3	20.0	62.3	63.8	60.8
4.0	4.1	56.3	23.0	53.3	51.7	48.7
8.0	5.8	51.8	24.5	48.8	45.7	42.7
10.0	6.5	50.3	25.0	47.3	43.8	40.8
16.0	8.2	47.3	25.0	44.3	39.7	36.7
20.0	9.3	45.8	25.0	42.8	37.7	34.7
25.0	10.4	44.3	24.3	41.3	35.8	32.8

31.25	11.8	42.9	23.6	39.9	33.9	30.9
62.5	17.1	38.4	21.5	35.4	27.8	24.8
100.0	22.0	35.3	20.1	32.3	23.8	20.8

Permanent Performance at 20°C

DC resistance	≤9.38ohm/100m
Unbalanced resistance	≤5%
Unbalance capacitance	≤330pF/100m
Capacitance	≤5.4nF/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

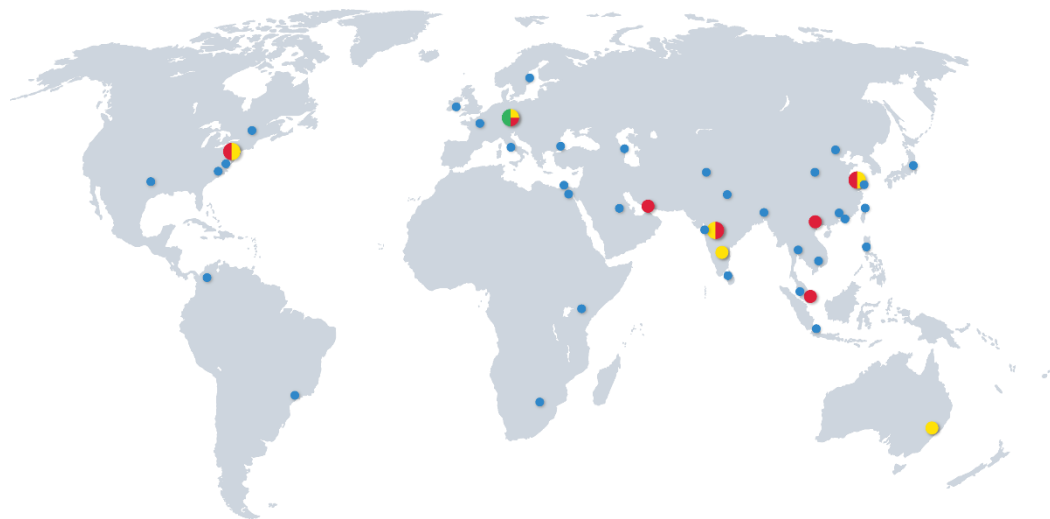
Ordering Information

Product Series	Category	-	Structure	Sheath	Pairs	-	Application Environment	Length+ Package	Color
CC:Copper Cable	5E:Cat5e		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 6:SF/UTP	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

For Example:

Order Number	Description
CC5E-211-16GY	Cable, Cat5e, F/UTP, 24AWG, PVC CM, Grey, 305m/Reel
CC5E-221-16GY	Cable, Cat5e, F/UTP, 24AWG, LSZH, Grey, 305m/Reel
CC5E-231-16GY	Cable, Cat5e, F/UTP, 24AWG, CMR, Grey, 305m/Reel
CC5E-281-16GY	Cable, Cat5e, F/UTP, 24AWG, PVC, Grey, 305m/Reel
CC5E-211-12GY	Cable, Cat5e, F/UTP, 24AWG, PVC CM, Grey, 500m/Reel
CC5E-221-12GY	Cable, Cat5e, F/UTP, 24AWG, LSZH, Grey, 500m/Reel
CC5E-231-12GY	Cable, Cat5e, F/UTP, 24AWG, CMR, Grey, 500m/Reel
CC5E-281-12GY	Cable, Cat5e, F/UTP, 24AWG, PVC, Grey, 500m/Reel

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