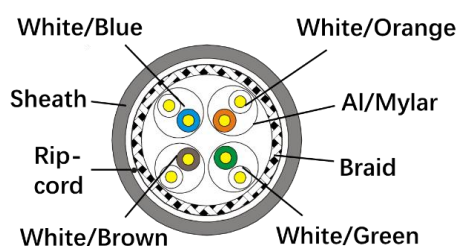


Applications

Prose indoor CAT7 S/FTP cable are designed for shielded structured cabling system. Prose Category 7 cables meet and exceed the requirements of ANSI/TIA 568.2-D, UL444, ISO/IEC11801 2nd and IEC61156-5. It can be tested up to 1200MHz and magnificent EMI performance. Prose provides different jacket materials for different applications.

Construction

- Construction: $4 \times 2 \times \text{AWG}23$
- 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
- Screen: Braid screen (Bare/Tinned copper)
- Sheath: PVC, LSZH, CM, CMR, CMP
- Colour: Blue(PVC), Orange(LSZH), other colour is customized
- Normal Diameter: 7.6mm
- Weight: 17.0kg/305m (Ref.)



Permanent Performance at 20°C

Frequency (MHz)	ATT (dB/100m)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ELFEXT (dB)	PS- ELFEXT (dB)	ACR (dB)	PD (ns/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Max.
1.0	2.0	78	20.0	75	78	75	73.0	570.0
4.0	3.7	78	23.0	75	78	75	71.3	552.0
10.0	5.9	78	25.0	75	74	71	69.1	545.4
16.0	7.4	78	25.0	75	70	67	67.6	543.0
20.0	8.3	78	25.0	75	68	65	66.7	542.0
31.25	10.4	78	23.6	75	64	61	64.6	540.4
62.5	14.9	75	21.5	72	58	55	57.1	538.6
100.0	19.0	72	20.1	69	54	51	50.0	537.6
125	21.4	71	19.4	68	52	49	46.6	537.2
200	27.5	68	18.0	65	48	45	37.5	536.5

250	31.0	66	17.3	63	46	43	32.0	536.3
300	34.2	65	17.3	62	44	41	27.8	536.1
600	50.1	61	17.3	58	38	35	7.9	535.5
900	63.01	59	--	55	--	--	--	535.3
1000	66.93	57	--	54	--	--	--	535.0

Permanent Performance at 20°C

DC resistance	≤9.50 Ω/100m
Unbalanced resistance	≤2%
Unbalance capacitance	≤1600pF/km
Screen attenuation	≥60dB (30-600MHz)
Dielectric strength	DC 1kv,1min no fail
Insulation resistance	≥5000MΩ.km
Impedance Delay skew	4-100MHz (100±15) ohm
	100-250MHz (100±22) ohm
	250-600MHz (100±25) ohm
	≤25ns/100m (4-600MHz)

Mechanical Performance at 20°C

Bending radius	
During installation (min.)	10×outer diameter
Installed (min.)	5×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	70:Cat7		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	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	1:4 Pairs Solid		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 BK: Black

Cat7 S/FTP Data Cable
CC70-5X1-1XXX



			Shielded/Foil Twisted Pair 6:SF/UTP						
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For Example:

Order Number	Description
CC70-511-16BL	Cable, Cat7, S/FTP, 23AWG, PVC CM, Blue, 305m/Reel
CC70-521-16OR	Cable, Cat7, S/FTP, 23AWG, LSZH, Orange, 305m/Reel
CC70-511-12BL	Cable, Cat7, S/FTP, 23AWG, PVC CM, Blue, 500m/Reel
CC70-521-12OR	Cable, Cat7, S/FTP, 23AWG, LSZH, Orange, 500m/Reel
CC70-511-13BL	Cable, Cat7, S/FTP, 23AWG, PVC CM, Blue, 1000m/Reel
CC70-521-13OR	Cable, Cat7, S/FTP, 23AWG, LSZH, Orange, 1000m/Reel

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