

Application

Prose CAT7A patch cords are used in structured cabling, for transmitting voice, data and video signals. Exceeding the specification of ANSI/TIA-568.2-D Category 6A requirements, they support high-bandwidth applications, especially are suitable to Class EA solution.

Features/Benefits

- Excellent performance, supporting transmission of high frequency signals.
- Utilizing flexible stranded patch cable, easy to installation.
- 360-degree overmolded boot provides excellent plug-to-cable strain relief.
- Connector contacts are plated with gold of 50 μ " thick, minimizing contact resistance, supporting transmission of high frequency signals.
- Different colors are available to distinguish different networks easily. Blue, Orange, Grey, Red, White, etc, other color is customized.



General Specifications

Parameters	Value
Cable Category	Cat.7A
Conductor Type	Stranded copper wire: 26AWG.
Conductor Paris	4 Pairs
Connector Type	RJ45-RJ45 (Cat6A shielded plug)
Connector Contact Material	Copper alloy with contact plating of 50 μ " gold
Cable Structure	S/FTP
Jacket Material	PVC CM, LSZH, PVC
Jacket Color	Blue, Orange, Grey, Purple, Red, White, etc. Other colors can be customized.

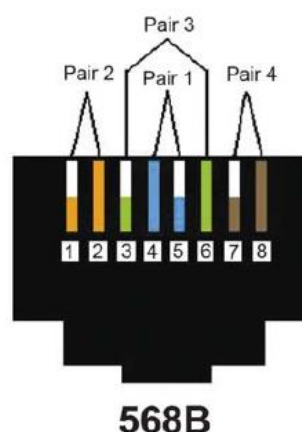
Electrical Performance

Frequency (MHz)	NEXT (dB)			RL (dB)
	2m Cord	5m Cord	10m Cord	
1	65.0	65.0	65.0	19.8
4	65.0	65.0	65.0	21.6
8	65.0	65.0	64.8	22.5
10	65.0	64.5	63.0	22.8
16	62.0	60.5	59.1	23.4

20	60.1	58.6	57.3	23.7
25	58.1	56.8	55.4	24.0
31.25	56.2	54.9	53.6	23.0
62.5	50.4	49.2	48.1	20.0
100	46.4	45.4	44.5	18.0
200	40.7	39.9	39.3	15.0
250	38.9	38.1	37.7	14.0
300	36.2	35.9	35.8	12.8
400	31.9	32.1	32.5	10.9
500	28.4	29.0	29.8	9.5

Connection in RJ45's plug pin

T568B-T568B		
RJ45 A	Cable	RJ45 B
1	Orange/White	1
2	Orange	2
3	Green/White	3
4	Blue	4
5	Blue/White	5
6	Green	6
7	Brown/White	7
8	Brown	8



Ordering Information

Product Series	Category	-	Structure	Sheath	Pairs	-	Conductor Type	Length	Color
CJ : Copper Patch Cord	7A: Cat7A	-	1: RJ45-RJ45 UTP 2: RJ45-RJ45 F/UTP 3: RJ45-RJ45 U/FTP 4: RJ45-RJ45 F/FTP 5: RJ11-RJ11 UTP 6: RJ11-RJ11 FTP 7: RJ45-RJ11 UTP 8: RJ45-RJ11 FTP 9: RJ45-RJ45 S/FTP	1: PVC CM 2 : LSZH IEC60332-1 3: PVC CMR 4: PVC CMP 5 : LSZH IEC60332-3A 6 : LSZH IEC60332-3C 7: PE 8: PVC	1: 1 Pairs RJ11 2: 2 Pairs RJ11 4: 4 Pairs RJ45-568B 5: 4 Pairs RJ45-568A	-	1: Stranded 2: Solid 24AWG 3 : Stranded 28AWG 4: Stranded 24/26AWG with Lock 5 : Stranded 28AWG with Lock 6: Solid 23AWG	1:1m 2:2m 3:3m 4:4m 5:5m 6:6m 7:7m 8:8m 9:9m A:10m B:15m C:20m	GY: Grey OR: Orange BL: Blue PL: Purple RD: Red GR: Green WH: White BK: Black YL: Yellow

Cat7A Patch Cord

CJ7A-XXX-XXXX



For Example:

Order Number	Description
T568B-T568B Patch Cord	
CJ7A -914-11GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC CM, Grey, 1m
CJ7A -914-12GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC CM, Grey, 2m
CJ7A -914-15GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC CM, Grey, 5m
CJ7A -924-11GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, LSZH, Grey, 1m
CJ7A -924-12GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, LSZH, Grey, 2m
CJ7A -924-15GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, LSZH, Grey, 5m
CJ7A -984-11GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC, Grey, 1m
CJ7A -984-12GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC, Grey, 2m
CJ7A -984-15GY	Patch Cord, Cat7A, RJ45-RJ45, S/FTP, PVC, Grey, 5m

Rev. 1.0 | 4 / 4