Cat 8.1 S/FTP Patch Cable

The equip® Cat 8.1 S/FTP Patch Cord is composed of preeminent materials and fully-examined to conform with industrial standards. Offering higher bandwidth and better signal-to-noise margin, the Cat 8.1 cable is able to deliver ultrahigh and error-free performance in the most demanding network environments, specially for 40G application.
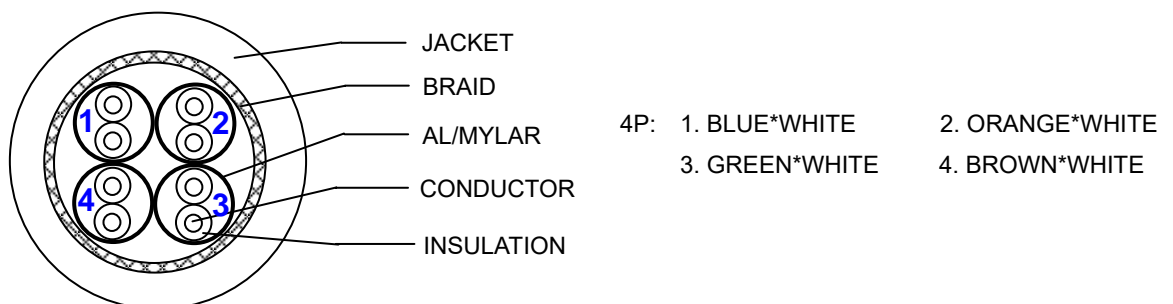
Key Feature

- 4x 2 AWG 24/7
- Stranded bare copper conductor
- Pin configuration: 1:1
- PIMF (pairs in metal foil)
- Transmission: 25Gbit, 40Gbit

- 2x RJ45 (8P8C) connectors
- 2000 MHz transmission Bandwidth
- Foil and braid shield reduces EMI/RFI
- interference PoE++ compatible
- Smoke Zero Halogen (LSZH/LSOH)

Typical Applications

- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T ; 10GBASE-T
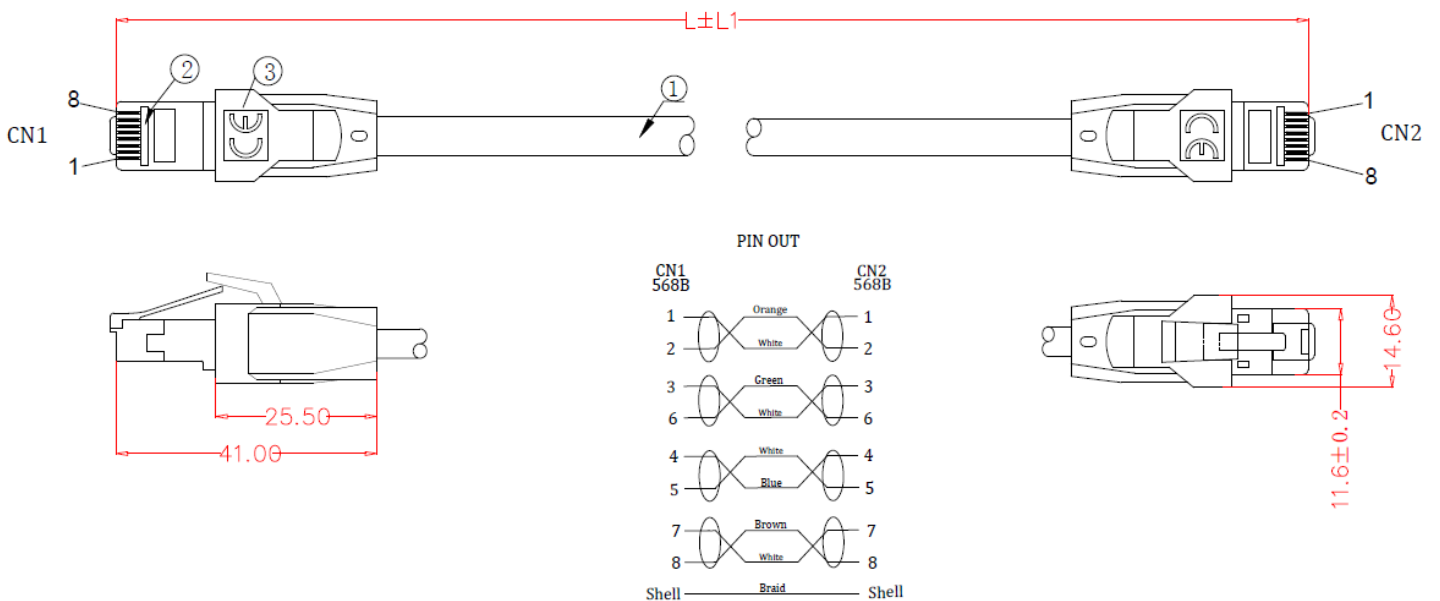- IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Structure

JACKET
BRAID
AL/MYLAR
CONDUCTOR
INSULATION

4P: 1. BLUE*WHITE   2. ORANGE*WHITE
     3. GREEN*WHITE   4. BROWN*WHITE

Specification

Conductor	Material	Bare Copper
	Construction	24AWG, 7/0.20 ± 0.008mm
Insulation	Thickness	0.37mm
	Diameter	1.35 ± 0.05mm
	Colors	Blue-White, Orange-White, Green-White, Brown-White
Jacket	Material	LSZH
	Thick(NOM. mm)	0.75mm
	Diameter (OD)	8.0 ± 0.20mm

Technical Drawings

Electrical data

Resistance	ResistanceUnbalance		Length	Prop.	Delay
Ω	Ω or %	Ω or %	Max.	ns	ns
6.4	0.1 or 3.0	0.2 or 7.0	30	179	17

Frequency	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PSACR-F
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	3	65	19	62	65	62	59	62
4	3	63.8	19	60.8	59.9	60.5	57.5	56.9
8	3	58.9	19	55.9	53.9	55.6	52.6	50.9
10	3	57.3	19	54.3	52	54	51	49
16	3	53.9	18	50.9	47.9	50.6	47.6	44.9
20	3	52.3	17.5	49.3	45.9	49	46	42.9
25	3	50.7	17	47.5	44	47.3	44.1	41
31.25	3.2	49.1	16.5	45.5	42.1	45.7	42.1	39.1
62.5	3.6	44	16	38.9	36	40.6	35.5	33
100	5.1	40.5	16	34	32	37.1	30.6	29
200	6,5	35.3	14.3	26	25.9	31.9	22.6	22.9
250	10.4	44.6	13.4	23.2	24	30.2	19.7	21
300	11.5	32.3	12.7	20.8	22.4	28.8	17.3	19.4
400	13.3	30.1	11.6	16.8	19.9	26.6	13.2	16.9
500	15	27.9	10.7	12.9	18	24.8	9.9	15
600	16.5	25.7	10	9.2	16.4	22.7	6.2	13.4
1000	22	19.3	8	-2.6	12	16.5	-5.5	9
1500	27.7	13.9	8	-13.8	8.4	11.2	-16.4	5.4
2000	32.7	9.8	8	-22.9	5.9	7.3	-25.3	2.9

Ordering Information

	Grey	Red	Blue	Green	Black
0.5m	608017	608027	608037	608047	608057
1.0m	608010	608020	608030	608040	608050
2.0m	608012	608021	608031	608041	608051
3.0m	608011	608022	608032	608042	608052
5.0m	608014	608024	608034	608044	608054

Packing: equip zip bag