

## Category 8 S/FTP 4 Pairs Cable, Shielded

### Features & Benefits

- Excellent electrical performance with skin-foam-skin design
- Individual shield on each twisted pair and overall braid to offer good NEXT and ANEXT performance
- 1-2000 MHz Frequency, extended to 2200 MHz
- 30 Meter channel maximum
- Field termination available

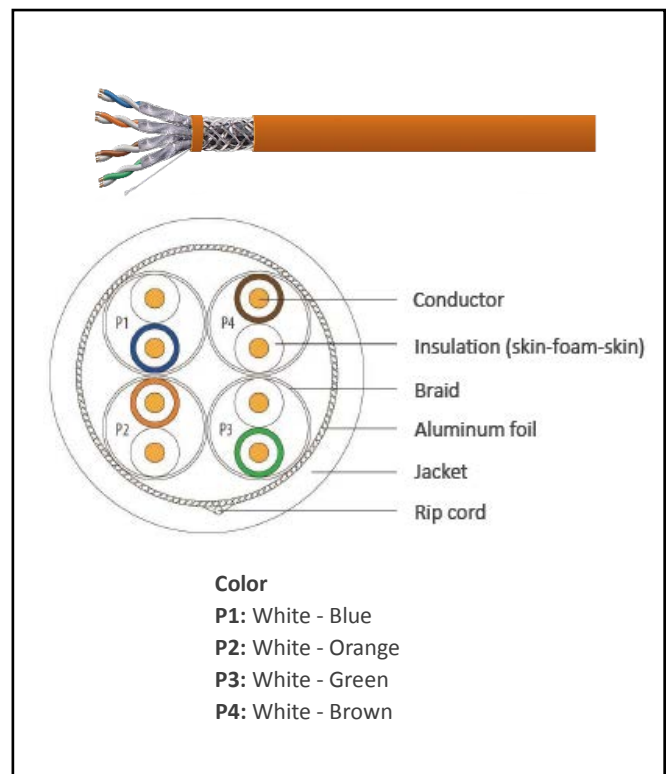
### Compliance & Standards

- ISO/IEC 11801
- ANSI/TIA-568.2-D
- IEC 60332-3-22
- IEC 61034
- IEC 60754
- EN 50339

### Applications

- High-end data cable for data center
- Developed particularly for Maximum 40G Base-T transmission
- Channel length of 30 meters in end of array cabinet (EoR /ToR)
- Transmission of digital and analogue voice, video and data signals
- All ICT network applications up to 2000 MHz
- Power over Ethernet (PoE / PoE+/PoE++)

### Drawing





Category 8 S/FTP 4 Pairs Cable, Shielded

Product Specifications

Conductor	Material	Solid Bare Copper
	Structure	22 AWG
Insulation	Material	Foamed PE
	Color	White / Blue White / Orange White / Green White / Brown
Shielded	Material	Al Foil + Copper Braid
Sheath	Material	LSZH
	Overall Diameter	8.5 ± 0.3mm
Impedance (Ω)	1 – 100 MHz	100 ± 15
	100 – 250 MHz	100 ± 20
	250 – 1000 MHz	100 ± 30
	1000 – 2000 MHz	100 ± 35
DC Resistance of Single Conductor	≤ 2.4Ω/30 m	
Unbalance of DC Resistance (Pair to Pair) (%)	≤ 2%	
Insulation Resistance	>5000MΩ×Km +20°C DC (100-500)V	
Operating Capacity	≤ 5.6 nF/100 m	
NVP	78%	
Min. Bend Radius	10 x Overall Diameter	
Installation and Storage Temperature	0 - 60°C (32 - 140°F)	
Operating Temperature	-20 - 60°C (-4 - 140°F)	



Category 8 S/FTP 4 Pairs Cable, Shielded

Nominal Transmission Characteristics

Frequency	RL	IL	NEXT	PSNEXT	ACR-F	PS ACR-F	PSANEXT	PSAACR-F
	dB	in dB/100m	dB	dB	dB	dB	dB	dB
in MHz	Min.	Max.	Min.	Min.	Min.	Min.	Min.	Min.
1	20.0	2.0	75.3	72.3	75	76	80	80
4	23.0	2.0	66.3	63.3	67	64	80	80
8	24.5	2.0	61.8	58.8	60.9	57.9	80	80
10	25.0	2.0	60.3	57.3	59	56	80	80
16	25.0	2.2	57.2	54.2	54.9	51.9	80	78.1
20	25.0	2.5	55.8	52.8	53	50	80	76.2
31.25	25.0	3.1	52.9	49.9	49.1	46.1	80	72.3
62.5	23.6	4.4	48.4	45.4	43.1	40.1	80	66.3
100	22.2	5.6	45.3	42.3	39	36	80	62.2
200	20.1	7.9	40.8	37.8	33	30	80	56.2
250	19.4	8.9	39.3	36.3	31	28	80	54.2
500	17.3	12.8	34.8	31.8	25	22	77	48.2
600	16.8	14.1	33.6	30.6	23.4	20.4	75	46.6
1000	15.2	18.6	30.3	27.3	19	16	72.5	42.2
1500	14.0	23.2	27.7	24.7	15.5	12.5	69.9	38.7
2000	13.1	27.2	25.8	22.8	13	10	68	36.2



## Category 8 S/FTP 4 Pairs Cable, Shielded

## Ordering Information

Part No.	Description
SP8072Z—OR0305MD	CAT 8 S/FTP Shielded Cable, LSZH Sheath, Orange, 305m/Drum, Comply to IEC 60332-3-22