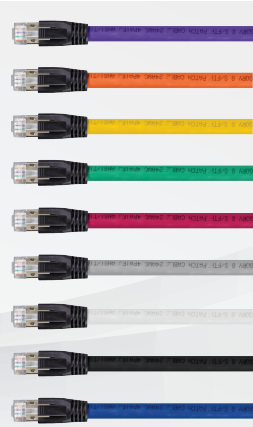


CAT 8

ENTEGRATE SERIES

Lifetime
★★★★★ warranty



S/FTP SOLID Ethernet Network
Up to 2GHz, 40Gbps Bandwidth,
3dB of Headroom Guaranteed

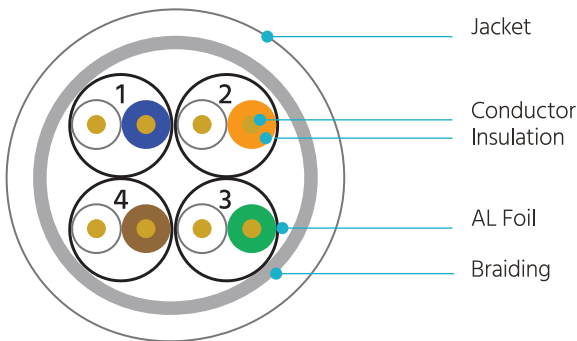
For more information or to order, please contact **Monoprice Sales Representative** or sales@monoprice.com

Construction

Conductor	24AWG
Material:	BC
Nom. OD	7/0.20±0.008mm
Insulation:	FM-PE
Nominal Thickness:	0.4mm Min : 0.37mm
Nom. OD:	1.40±0.05mm
Nom. OD:	1.blue*white, 2.orange*white, 3.green*white, 4.brown*white
AL Foil	Overlapping ratio≥25%
Braiding	AL-MG
Size	16*8/0.12mm
Overlapping Ratio	≥50%
Jacket	PVC
Nom. Thickness	0.7mm Min : 0.6mm
Nom. OD:	8.0±0.3mm

Electrical Characteristics

	LOSS	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-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	3.2	50.7	17	47.5	44	47.3	44.1	41
31.25	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1
62.5	5.1	44	16	38.9	36	40.6	35.5	33
100	6.5	40.5	16	34	32	37.1	30.6	29
200	9.3	35.3	14.3	26	25.9	31.9	22.6	22.9
250	10.4	33.6	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



Wire Connection

Pair 1 White + Blue	Pair 3 White + Green
Pair 2 White + Orange	Pair 4 White + Brown



Ratings/Certifications

ANSI, TIA, EIA-568-B, UL LISTED/CUL: E467139, CM, ROHS 2

Jacket Marking: E467139 CATEGORY 8 S/FTP PATCH CABLE 24AWG 4PAIRS ANSI/TIA-568-C.2 40Gbps

Conductor Resistance@20 °C	≤ 93.8 Ohms/km
Unbalance Conductor DC Resistance	≤ 5%
Mutual Capacitance	≤ 56nF/km
Pair to Ground Capacitance Unbalance	≤ 330pF/100m

Mechanical Characteristics

Storage Temperature Range	-15 °C to 75 °C
Installation Temperature Range	0 °C to 60 °C
Maximum Pulling Force	25 lbs.
Minimum Bend Radius (Install)	65mm