



### Features

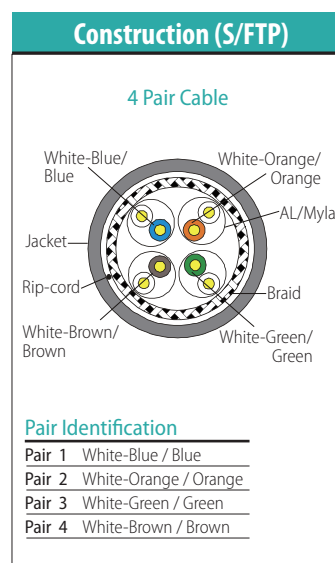
- Construction: S/FTP
- Conductor: 23 AWG, Solid-Bare Copper
- Comply ISO/IEC Global Standard
- Standard: ISO/IEC11801 & ANSI/TIA-568.2-D
- ISO9001 Certified Manufacturing Plant



### Specifications

Model		C8.1SF_LSZH			
Construction		S/FTP	Sheath	Tensile Strength	≥ 10.0 Mpa
Conductor	Material	Solid-Bare Copper	Physical Properties (Before Aging)	Elongation	≥ 125 %
	Nom.O.D.	0.596 ± 0.005 mm		Aging Period	100 °C x 24h x 7d
Insulation	Material	Skin-foam-skin PE		Sheath	Tensile Strength
	Diameter	1.480 ± 0.05 mm	Physical Properties (After Aging)	Elongation	≥ 100 %
Inner Screening Material		AL/ Mylar		Cold Bend	- 20 ± 2 °C x 4h, 8 x Cable O.D., No visible cracks
Outer Screening	Material	Tinned copper	Electrical Characteristics (20°C)	Impedance	100 ± 5 Ω @100MHz
	Coverage	≥ 60%		Delay Skew	≤ 25 ns /100 m
Sheath	Thickness	0.55 ± 0.05 mm		Velocity of Propagation	74 %
	External O.D.	8.0 ± 0.5 mm	Unbalanced-to-ground capacitance	Max. 330 pf / 100 m	
Rip-cord		FR-LSZH (Complies RoHS)	DC Resistance	Max. 9.38 Ω / 100 m	
Length		305 M	DC Conductor Resistance Unbalance	Max. 2.0 %	

Electric Performance	Frequency (MHz)	Return Loss (≥dB)	Attenuation (≤dB)	NEXT (≥dB)	PSNEXT (≥dB)	ACR-F (≥dB)	PS ACR-F (≥dB)	ACR-F (≥dB)	PS ACR-F (≥dB)	
	1	19.0	3.0	65.0	62.0	65.0	62.0	62.0	65.0	65.0
	4	19.0	3.0	63.8	60.5	59.9	56.9	60.8	57.5	57.5
	8	19.0	3.0	58.9	55.6	53.9	50.9	55.9	52.6	52.6
	10	19.0	3.0	57.3	54.0	52.0	49.0	54.3	51.0	51.0
	16	18.0	3.0	53.9	50.6	47.9	44.9	50.9	47.6	47.6
	20	17.5	3.0	52.3	49.0	45.9	42.9	49.3	46.0	46.0
	25	17.0	3.2	50.7	47.3	44.0	41.0	47.5	44.1	44.1
	31.25	16.5	3.6	49.1	45.7	42.1	39.1	45.5	42.1	42.1
	62.5	16.0	5.1	44.0	40.6	36.0	33.0	38.9	35.5	35.5
	100	16.0	6.5	40.5	37.1	32.0	29.0	34.0	30.6	30.6
	200	14.3	9.3	35.3	31.9	25.9	22.9	26.0	22.6	22.6
250	13.4	10.4	33.6	30.2	24.0	21.0	23.2	19.7	19.7	
300	12.7	11.5	32.3	28.8	22.4	19.4	20.8	17.3	17.3	
400	11.6	13.3	30.1	26.6	19.9	16.9	16.8	13.2	13.2	
500	10.7	15.0	27.9	24.8	18.0	15.0	12.9	9.9	9.9	
600	10.0	16.5	25.7	22.7	16.4	13.4	9.2	6.2	6.2	
1000	8.0	22.0	19.3	16.5	12.0	9.0	-2.6	-5.5	-5.5	
1500	8.0	27.7	13.9	11.2	8.4	5.4	-13.8	-16.4	-16.4	
2000	8.0	32.7	9.8	7.3	5.9	2.9	-22.9	-25.3	-25.3	



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.