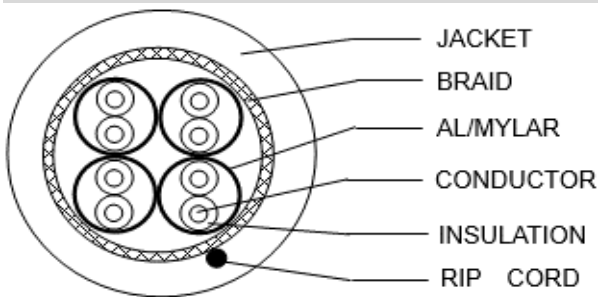


**CAT8 Ethernet Cable**

P/N: 80SFL800162FB

- ◆S/FTP LSZH/23AWG
- ◆Support 2000MHz bandwidth
- ◆Support 40G Ethernet
- ◆Applied to data centers, servers, switches, wiring racks and other equipment connections

**1. Structure**

Conductor	AWG	22AWG
	MATERIAL	Single Bare copper
	SIZE (mm)	1/0.62±0.01
Insulation	THICK (NOM. mm)	0.46
	MATERIAL	FM-PE+SKIN
	OD (mm)	1.55±0.05
Face Inside AL/Mylar 4P	COVERAGE	100%
	OVERLAP	25% MIN
	Color	1.blue*white/blue, 2.orange*white/orange, 3.green*white/green, 4.brown*white/brown
BRAID	MATERIAL	AL-MG
	SIZE (mm)	16*8/0.12±0.008
	THICK (NOM. mm)	0.6
Jacket	MATERIAL	LSZH
	COLOUR	8.0±0.30
	OD (mm)	
	Marking	/

**2.Mechanical characteristic**

- ◆Installation temperature: 0-50°C
- ◆Operating temperature: LSZH-20°C to 75°C
- ◆Min bending radius: 10xOD in Operation, 7xOD after operation
- ◆Compliance with RoHS 2.0 and REACH

### 3. Electrical Characteristics

- ◆ Conductor DC resistance: 20°C ≤95Ω/km
- ◆ DC Resistance Unbalance: ≤5%
- ◆ Characteristic impedance: 100Ω±15%
- ◆ Insulation Resistance: ≥500MΩ.km (IEC 60189-1)
- ◆ Transmission performance: Fluke channel test

Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Loss							
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	3	65	19.0	62.0	65.0	62.0	59.0	62
4	3	63.8	19.0	60.8	59.9	60.5	57.5	56.9
8	3	58.9	19.0	55.9	53.9	55.6	52.6	50.9
10	3	57.3	19.0	54.3	52.0	54.0	51.0	49
16	3	53.9	18.0	50.9	47.9	50.6	47.6	44.9
20	3	52.3	17.5	49.3	45.9	49.0	46.0	42.9
25	3.2	50.7	17.0	47.5	44.0	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	16.0	38.9	36.0	40.6	35.5	33
100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29
200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9
250	10.4	33.6	13.4	23.2	24.0	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	18.0	24.8	9.9	15
600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4
1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9
1500	27.7	13.9	8.0	-13.8	8.4	11.2	-16.4	5.4
2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9

### 4. Packaging method

- ◆ Packaging length: 100m/R
- ◆ Packaging method: Wood shaft packaging

# DIREKTRONIK

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