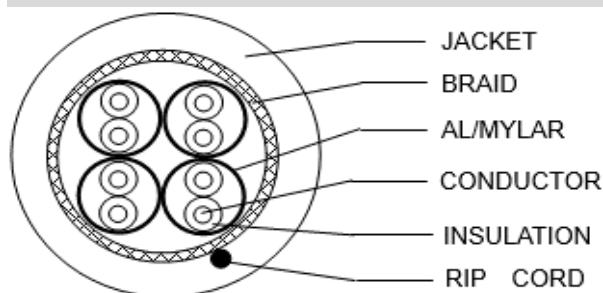


CAT6 Ethernet Cable

- ◆S/FTP LSZH/23AWG
- ◆Support 250MHz bandwidth
- ◆Support 10G Ethernet
- ◆Applied to data centers, servers, switches, wiring racks and other equipment connections

1. Structure



Conductor	AWG	23AWG
	MATERIAL	Single Bare copper
	SIZE (mm)	1/0.58±0.01
Insulation	THICK (NOM. mm)	0.42
	MATERIAL	FM-PE+SKIN
	OD (mm)	1.43±0.05
Face Inside AL/Mylar	COVERAGE	100%
	OVERLAP	25% MIN
4P	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
Jacket	THICK (NOM. mm)	0.6
	MATERIAL	LSZH
	COLOUR	/
	OD (mm)	8.0±0.30
	Marking	/

2. Mechanical characteristic

- ◆Installation temperature : 0-50°C
- ◆Operating temperature: PVC-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	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2
8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2
10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2
20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2
25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4
62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3
100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3
200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2
250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3
350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4
450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2
500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3

4. Packaging method

- ◆ Packaging length : 305M/R
- ◆ Packaging method : Wooden reel