

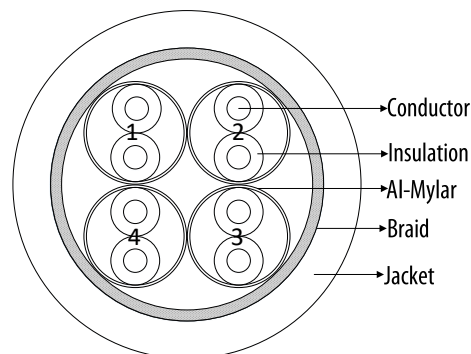
4P×23AWG S/FTP CAT7 LSZH Cable



PRODUCT DATA SHEET

This Cat 7 cable has a low smoke zero halogen outer sheath which emits exposed to high temperatures. Category 7 cables are shielded twisted pair cables capable of carrying 10 Gb Ethernet over 100m.

Design Number 10314
Part Number See Table 1
Customer Number N/A



Color Code: 1. White, Blue 2. White, Orange
 3. White, Green 4. White, Brown

CONSTRUCTION

Conductor: Solid bare copper
Conductor Size: 23AWG(1/0.58mm)
Insulation: Foamed PE
Insulation Diameter: 1.38mm(Nom.)
Individual Screen: Al-Mylar (Al facing out)
Braid: Tinned Copper or Tinned Copper Claded Aluminium
 8/6/0.12mm , coverage min 25%
Jacket Material: LSZH
Overall Diameter: 7.80±0.25mm
Jacket Color: A variety of colors available
Print Legend: Category 7 S-FTP 23 AWG 4 Pair 70°C LSZH +XXXm

ELECTRICAL CHARACTERISTICS

Operating Temperature (°C): 70°C
Conductor Resistance@20°C: 76.1 Ω/km Max
Velocity Propagation: 70%~78% (must meet performance request)
Characteristic Impedance: 100±15 Ohm (1-100MHz)
 100±20 Ohm (100-250MHz)
 100±25 Ohm (250-500MHz)
 100±30 Ohm (500-1000MHz)

RoHS Compliant: European Directive 2015/863/EU

Performance

Freq.	ATT	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT
	Max. dB/100m	Min. dB/100m	Min. dB/100m	Min. dB/100m	Min. dB/100m	Min. dB/100m
MHz						
1	-	20.00	78.00	75.00	78.00	75.00
4	3.74	23.01	78.00	75.00	78.00	75.00
10	5.86	25.00	78.00	75.00	78.00	75.00
16	7.41	25.00	78.00	75.00	71.22	68.22
31.25	10.41	23.64	78.00	75.00	65.4	62.40
62.5	14.88	21.54	75.46	72.46	59.38	56.38
100	19.02	20.11	72.40	69.40	55.30	52.30
250	30.97	17.32	66.43	63.43	47.34	44.34
500	45.26	17.30	61.92	58.92	41.32	38.32
600	50.10	17.30	60.73	57.73	39.74	36.74
900	63.01	13.43	58.09	55.09	36.22	33.22

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Table 1

Part Number	Color	Package
32051716	Blue	100m
32051717	Blue	500m
32051718	Yellow	100m
32051719	Yellow	500m
32051720	Grey	100m
32051721	Grey	500m
32051722	Violet	100m
32051723	Violet	500m

Revision History		
00	2020/08/27	Initial release
Created L. Jian	Approved A. Huang	

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