



Category 6 S/FTP Cable, Shielded

Features & Benefits

- Foamed PE insulation offer better electrical performance
- Overall braid and aluminum foil around each pair shielded
- Frequency 1-250MHz, extend to 550MHz
- Available in a variety of LSZH flame retardant cables
- Durable length markings to reduce waste of cable

Compliance & Standards

- ISO/IEC 11801
- ANSI/TIA/EIA-568.2-D
- IEC 61156-5
- IEC 60332
- EN50399
- EN50574
- EN50173-1

Applications

- 1000Base-T applications
- Data cable for structured premises cabling up to Class E and CAT 6 applications
- Digital and analog voice, video and data signal transmission
- Power over Ethernet (PoE) / PoE+ / PoE++

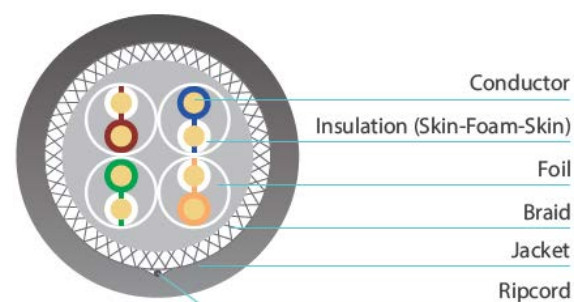
Physical Performance

Conductor Elongation		≥15%
Jacket Before Aging (LSZH)	Tensile Strength	≥10Mpa
	Elongation	≥125%
Jacket After Aging (LSZH)	Tensile Strength	≥8Mpa
	Elongation	≥100%
Minimum Bend Radius		8x Cable Radius

Drawing



Technical Drawing





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Product Specifications

Type		S/FTP CAT6 4×2×23AWG
Construction		Dimensions
Conductor	Structure	23AWG
	Material	Solid Bare Copper
Insulation	Material	Foamed PE
Shielding	Material	AL Foil & Braid
Jacket	Material	CM, LSZH, PVC, PE, CMR
	Diameter(mm)	7.8±0.3
	Average Thickness	0.60±0.1
Installation Temperature Range		0°C ~+60°C
Operating Temperature Range		- 20°C ~+60°C

Electrical Performance

DC Resistance Unbalance(%)	≤2.0%
DC Resistance 20°C	≤95.0 (Ohms/Km)
Insulation Resistance	>5000MΩ×Km
Dielectric Strength	DC 1000V 1min
Mutual Capacitance	≤5.6 nF/100m
NVP	78%



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Transmission Performance

	IL	RL	DOP	SKEW	NEXT	PS NEXT	ACR-F	PS ACR-F
Freq.	dB	dB	ns	ns/100m	dB	dB	dB	dB
in MHz	Max.	Min.	Max.	Max.	Min.	Min.	Min.	Min.
1	2.0	20.0	570	45	74.3	72.3	67.8	64.8
4	3.8	23.0	552	45	65.2	63.2	55.7	52.7
10	6.0	25.0	545	45	59.3	57.3	47.8	44.8
16	7.6	25.0	543	45	56.2	54.2	43.7	40.7
20	8.5	25.0	542	45	54.7	52.7	41.7	38.7
31.25	10.7	23.6	540	45	51.8	49.8	37.9	34.9
62.5	15.4	21.5	538	45	47.3	45.3	31.8	28.8
100	19.8	20.1	537	45	44.3	42.3	27.8	24.9
200	29.0	18.0	536	45	39.7	37.7	21.7	18.7
250	32.9	17.3	535	45	38.3	36.3	19.8	16.8

Note: The above transmission performance for the 100M, 20±2°C under the conditions tested.

Ordering Information

Part No.	Product Name	Description
SP6073V-GY0305MD	Category 6 S/FTP 4 Pairs Shielded Cable, PVC	305m/Drum_ Gray
SP6073L-PU0305MD	Category 6 S/FTP 4 Pairs Shielded Cable, LSZH	305m/Drum_ Purple