

Product Features & Compliances

- Exceptional material properties and cable design
- High ACR values-providing low BER (Bit Error-Rate)
- Exceeds cat 5e performance
- Extremely high pair-balance-providing excellent EMC (Electromagnetic compatibility)
- Minimum radiations and maximum noise immunity
- Unique Hologram sticker for authenticity
- UL-94V0 rated plastics
- RoHS Compliant
- ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC-11801 (2nd edition) Class D

Specifications

Mechanical

- Outer Diameter: Nominal diameter 6 mm
- 4 twisted pair
- Conductor diameter: 0.51mm (AWG)
- Conductor: 24 AWG bare solid copper, 4 twisted
- Jacket material: PVC
- Standard Colour: Grey
- Overall shield: tinned copper braiding

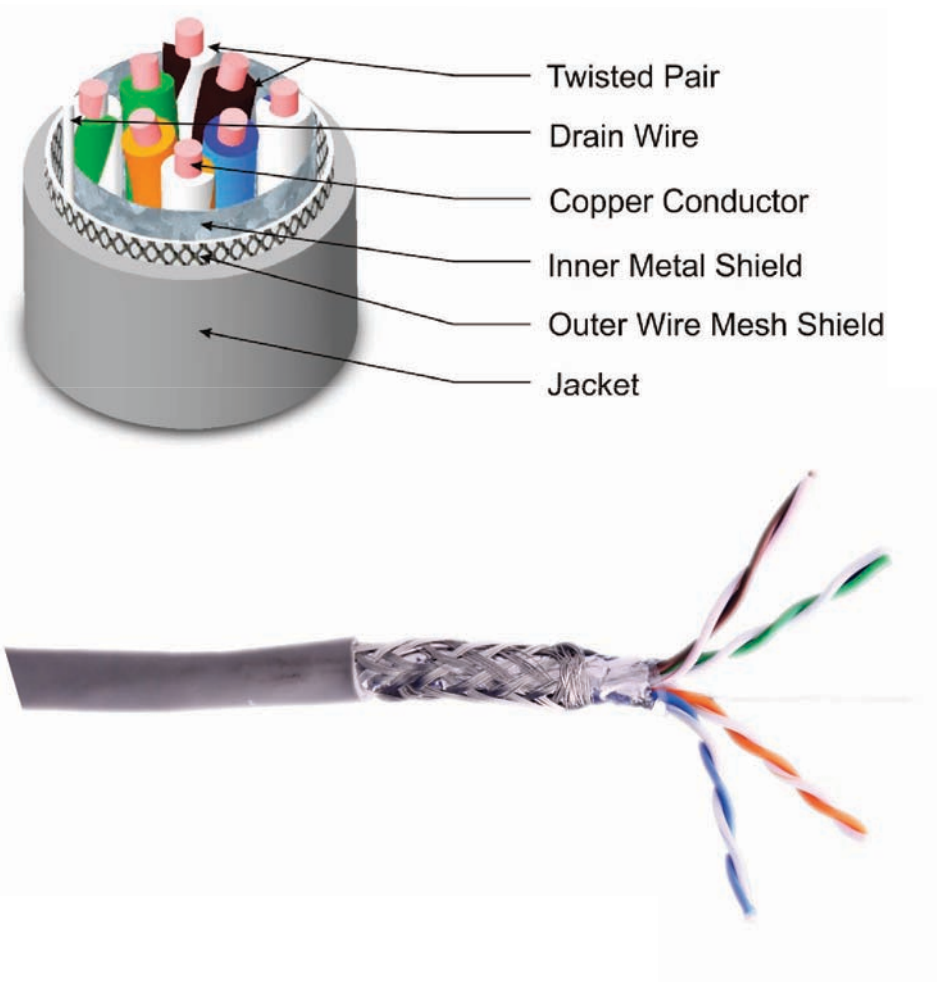
Electrical

- Characteristic Impedance: $100 \pm 6 \Omega$ @ 1-100 MHz
- DC Resistance: $72 \Omega/\text{km}$ (max)
- Voltage rating: 72 Vdc max
- Dielectric strength: $1500\text{pF}/\text{km}$ max. @ 1 KHz
- Insulation Resistance: $500\text{M}\Omega/\text{km}(\text{min})@500 \text{Vdc}$
- Velocity of Propagation (NVP): 69%

Ordering Information

Description	Length	Product Code
DIGILINK Solid Cable Cat 5e+, SFTP 4 Pair	305m	DCECASTP4P3X

Note: This cable is used for low Voltage signal transmission used in IT industry.



DIGILINK E400 Cat 5e+ SFTP copper cable consists of 4 pair twisted solid copper conductors with 100-Ohm impedance. The twisted pair cables are often shielded with tinned copper braiding as well as aluminum foil to prevent electro-magnetic interface. Aluminum foil and steel wire Braiding around four pairs provided for shielding.

DIGILINK Category 5e+ (E400) SFTP 100 Ohm LAN Solid Cable

PERFORMANCE CHARACTERISTICS ANSI/TIA-568-C.2

FREQUENCY (MHz)	INSERTION LOSS (Attenuation) dB/100m		NEXT (dB)		PSNEXT (dB)		ELFEXT (dB)		PSELFEXT (dB)		RETURN LOSS (dB)	
	Standard	DIGILINK	Standard	DIGILINK	Standard	DIGILINK	Standard	DIGILINK	Standard	DIGILINK	Standard	DIGILINK
1	3	1.5	65	77.2	62	75	64.2	82.2	61.2	72.6	19.1	25.2
4	3.5	3.1	64.5	75.8	61.8	66.5	52.1	71.9	49.1	62.6	21	29.3
8	5	4.4	59.4	68	57	60.4	46.1	66	43.1	55.9	21	29.3
10	5.5	4.9	57.8	69.4	55.5	60.3	44.2	62	41.2	54.3	21	26.9
16	7	6.3	54.6	63.4	52.2	60	40.1	59	37.1	50.6	20	25.7
20	7.8	7.1	53.1	60.8	50.7	55.1	38.2	57.5	35.2	48.5	19.5	27.6
25	8.8	8	51.5	60	49.1	54.8	36.2	55	33.2	47.9	19	25.1
31.25	9.8	9	50	57.9	47.5	52.2	34.3	49.3	31.3	44.9	18.5	24.9
62.5	14	12.9	45.1	55	42.7	50.2	28.3	40.5	25.3	39	16	21.3
100	18	16.5	41.8	52	39.3	48.9	24.2	35.5	21.2	33.5	14	19.1
200	26.1	23.6	36.9	44.1	34.3	39.6	18.2	30.3	15.2	26.8	11	17
250	29.5	27	35.3	43	32.7	36.8	16.2	28.5	13.2	24.6	10	17
300	32.7	29.4	34	41.7	31.4	35.8	14.6	24.4	11.6	20.5	9.2	16.1
350	35.6	32.2	31.8	38.8	29.1	34.9	13.3	21.7	10.3	22.4	8.6	17.5
400	38.4	33.5	29.9	34	27.1	32.4	12.1	18.6	9.1	15.4	8	16.3

** Extrapolated Values

