

Cat6a S/FTP Solid LSZH Cable 305m Reel

Y8700 305m Reel



FEATURES

Cat6a S/FTP Solid LSZH Cable is ideal for premises wiring and applications where double shielded cable is required. All Datamaster Ethernet Cables are Fluke® tested and are manufactured to exceed Australian standards. Datamaster's 6a Ethernet Cable allows for extremely high data rate transmission of up to 10Gbps and at a frequency of 500MHz, supporting the fastest ethernet applications. Individual foil wrapping maintains the pair separation and the foil shield acts as a cross talk barrier from EMI/RFI from adjacent cables. Made from 100% Oxygen-Free Copper, 23AWG Solid Conductors, Shielded 4-Twisted Pairs, Al-Foil and Mylar tape (FTP), Low Smoke Zero Halogen (LSZH), Outer foil shield, Tinned drain wire, Supplied on a Reel, with count-down metre-marking and Lifetime limited Warranty.

CAT#	COLOUR	LENGTH	PACKING
Y8700BLU	BLUE	305 Metre	Reel
Y8700GRY	GREY	305 Metre	Reel
Y8700PNK	PINK	305 Metre	Reel
Y8700PUR	PURPLE	305 Metre	Reel
Y8700WHI	WHITE	305 Metre	Reel
Y8700YEL	YELLOW	305 Metre	Reel

REGULATORY COMPLIANCE



Y8700 SERIES COMMUNICATIONS CABLE – CAT6a S/FTP ISO/IEC 11801 & TIA/EIA 568C.2
VERIFIED-23AWG X 4P SOLID

CABLE INTERIOR

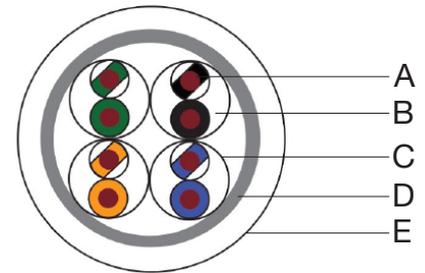


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DESIGN & CONSTRUCTION



ITEM	DESCRIPTION	COLOUR	SPECIFICATION	MATERIALS
A	Conductor	Copper	23 AWG 0.565(+/- 0.008)mm	SOLID BARE COPPER
B	Insulation		1.335 mm	Foam PE
C	Foil Screen		50/12 μ m	Aluminium / MYLAR
D	Braid		0.12mm x 6 x 16	Aluminium & Magnesium
E	Jacket		Minimum Point Thickness (0.51 mm) Outer Diameter \pm 8.20mm +/- 0.3mm	LSZH

ENVIRONMENTAL PROPERTIES

Temperature Range	Operation Temperature	-40°C - 60°C (under Static Conditions)
	Installation Temperature	0°C - 50°C
	Storage Temperature	-40°C - 70°C (under Static Conditions)
	Pulling Tension	100 N Maximum
	Bending Radius	Minimum 8 x cable diameter (without load)

ELECTRICAL PROPERTIES

Resistance Unbalance @ 20°C	2% (max) within a pair 4% (max) between pairs
Conductor Resistance	Max 9.5 (Ω /100M) at 20°C
Temperature rating (°C)	75
Voltage rating (V)	30
NVOP	80%
Delay Skew @ 100MHz @ 20°C	45n/s/100m (max)
Transfer Impedance @10MHz	100m Ω (max)
Mean Characteristic Impedance @ 100MHz	100 Ω \pm 5 Ω
Coupling Attenuation (<1GHz) @ 100MHz	55db (min)
Insulation Resistance @20°C;	5000M Ω .m (min)

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FREQUENCY (MHZ)	ATTENUATION	RL	NEXT	PS-NEXT	ACRF	PSACRF	TCL	PROP DELAY
1	2.1	20.0	75.0	72.3	68.0	65.0	40.0	570
4	3.8	23.0	66.3	63.3	56.0	53.0	40.0	552
8	5.3	24.5	61.8	58.8	49.9	46.9	40.0	547
10	5.9	25.0	60.3	57.3	48.0	45.0	40.0	545
16	7.5	25.0	57.2	54.2	43.9	40.9	38.0	543
20	8.4	25.0	55.8	52.8	42.0	39.0	37.0	542
25	9.4	24.3	54.3	51.3	40.0	37.0	36.0	541
31.25	10.5	23.6	52.9	49.9	38.1	35.1	35.0	540
62.5	15.0	21.5	48.4	45.4	32.1	29.1	32.0	539
100	19.1	20.1	45.3	42.3	28.0	25.0	30.0	538
200	27.6	18.0	40.8	37.8	22.0	19.0	27.0	537
250	31.1	17.3	39.3	36.3	20.0	17.0	26.0	536
300	34.3	16.8	38.1	35.1	18.5	15.5	25.2	536
400	40.1	15.9	6.3	33.3	16.0	13.0	24.0	536
500	45.3	15.2	34.8	31.8	14.0	11.0	23.0	536

ELECTRICAL PROPERTIES

High Frequency Performance	Category 6A IEC61156-5, EN50288-4-1, ANSI/TIA 568.2, ISO/IEC11801
Flame Retardant Standard	UL444 CM, CMR, IEC60332-1, IEC60332-3 part24
LSZH Standards	IEC60754-2, IEC61034-1, IEC61034-2
Environmental Compliance	RoHS



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