

CAT 6A 4-PAIR S-FTP SOLID COPPER CABLE - 500MHZ

Description

RFI Cat 6A S/FTP Cable consists of 4 pairs of 23 AWG solid copper conductors insulated with FOAM PE. Each pair is precisely twisted and surrounded by an aluminium foil to minimize and protect crosstalk between the pairs. Wrapped in an overall flexible yet mechanically strong braid screen. The braid also provides better grounding. The cable is covered with a Polyvinyl Chloride (PVC) Outer Jacket. Options are available for LSZH,

Application

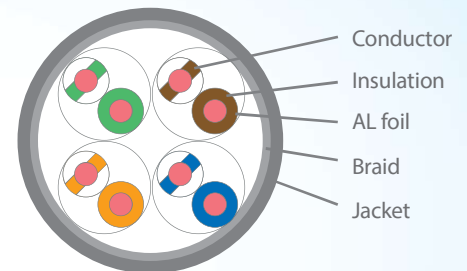
- 1000Base-T (Gigabit Ethernet)
- 10GBase-T (10 Gigabit Ethernet)

Standard

- ANSI/TIA-568.2-D
- ISO 11801 Class EA
- IEC 60332-1
- RoHS

Features

- 23 AWG Solid Copper Conductors
- ETL verified
- PVC, LSZH
- Tested to 500MHz
- UL,CM rate, RoHS compliance



Physical Characteristics

Conductor	Material	Bare Copper
	Structure	0.555 ± 0.005mm
	AWG	23
Insulation	Material	FOAM PE
	Color Code	Blue & White/Blue Stripe
		Orange & White/Orange Stripe
		Green & White/Green Stripe
Brown & White/Brown Stripe		
Shield	Individual Shield Material	Aluminium Foil Shielded pairs
	Overall	Wire Braided integral AL - MG Wire Braided Cable
Jacket	Material	PVC or LSZH
	Thickness	0.50+/-0.05mm
	Diameter	7.8±0.5mm

Electrical Characteristics

DC resistance 20°C (Ω/100m)	≤9.5
DC resistance unbalance at 20°C (%)	≤2.5
The mutual capacitance at 1KHz, at 20°C (nF/100m)	≤5.6
The capacitance unbalance to ground at 20°C (pF/100m)	160

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Physical Characteristics

Material	PVC	LSZH
Before Aging		
Tensile Strength(Mpa)	≥13.8	≥10.0
Elongation(%)	≥100.0	≥150.0
Aging Condition	(100.0±1.0)×48	(100.0±1.0)×48
Tensile Strength(Mpa)	≥85.0 of unaged	≥75.0 of unaged
Elongation(%)	≥50.0 of unaged	≥75.0 of unaged

Electrical Characteristics

Freq (MHz)	RL (dB) (dB/100m)	Insertion Lost (dB/100m)	NEXT (dB/100m)	C.I. (ohm/100m)	PSNEXT (dB/100m)	ACRF (dB/100m)	PSACRF (dB/100m)	Delay (dB/100m)
4.0	23.0	3.7	78.0	100±15	75.0	78.0	75.0	552.0
8.0	24.5	5.2	78.0	100±15	75.0	77.2	74.2	547.0
10.0	24.5	5.8	78.0	100±15	75.0	75.3	72.3	545.0
16.0	25.0	7.3	78.0	100±15	75.0	71.2	68.2	543.0
20.0	25.0	8.2	78.0	100±15	75.0	69.3	66.3	542.0
31.25	23.6	10.3	78.0	100±15	75.0	65.4	62.4	540.0
62.50	21.5	14.6	75.5	100±15	75.0	59.4	56.4	539.0
100.0	20.1	18.5	72.4	100±15	72.4	55.3	52.3	538.0
200.0	18.0	26.5	67.9	100±22	67.9	49.3	46.3	537.0
250.0	17.3	29.7	66.4	100±22	66.4	47.3	44.3	536.0
300.0	17.3	32.7	65.2	100±25	65.2	45.8	42.8	536.0
500.0	17.3	42.8	61.9	100±25	61.9	41.3	38.3	536.0

Ordering information

Part No.	Description
RCD-6AS3554-1yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, CM, PVC, 305M
RCD-6AS1554-1yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, LSZH, 305M
RCD-6AS3554-4yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, CM, PVC, 305M/Drum
RCD-6AS1554-4yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, LSZH, 305M/Drum
RCD-6AS3554-2yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, CM, PVC, 500M/Drum
RCD-6AS1554-2yx	Cat 6A 4-pair S/FTP 23AWG Shielded Solid Copper Cable, LSZH, 500M/Drum

*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple.

*x = A, K, N

*Other length is available upon request.