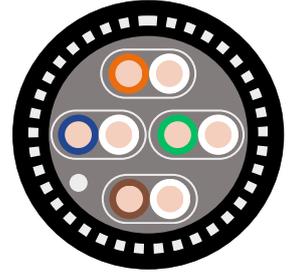




Cat6A U/FTP SWA

Data Cable



DESCRIPTION

Conductor: Bare Copper (Dia. = 0.56mm ±0.01) (AWG = 23), **Insulation:** FMPE (Avg. Thickness = 0.4mm) (Dia. = 1.35mm ±0.05), **Al Foil Shield:** on each pair, **Drain Wire:** Tinned Copper (Dia. = 0.40 ±0.10), **Inner Jacket:** LSZH (Avg. Thickness = 0.85mm ±0.05)(Min. Point Thickness = 0.70mm) (OD = 8.2mm ±0.3), **Armour:** Steel Wire Armour (Wire Dia = 0.90mm ±0.03)(100% Coverage), **Sheath:** PE (OD = 12.20mm ±0.8) (Avg. Thickness = 1.00mm / Min. Point Thickness = 0.80mm), **Sheath Colour:** Black

APPLICATION

10/100/1000/10GBase-T, 1000Base-TX, ATM, FDDI, Video, ISDN, Multimedia, PoE

ISO/IEC 11801 & EIA/TIA568C.2

TECHNICAL DATA

Impedance:	1~300MHz	100+/-15
	300~500MHz	100+/-25
Max. Conductor DC Res. at 20°C:		93.8Ω/Km
Delay Skew:		<=45 ns/100m
Pair-to-ground Capacitance Unbalance:		<=330 pF/100m
Min. Insulation Resistance:		5000 MΩ/Km
Resistance Unbalance:		<=4%
Standards:	ISO/IEC 11801 & EIA/TIA568C.2	

Core Colours

[Blue,White], [Orange,White],
[Green,White], [Brown,White]

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Cat6A U/FTP SWA

Data Cable

Frequency	Attenuation	NEXT	PSNEXT	Return Loss	ELFEXT	PSELFEXT
MHz	dB/100m	dB/100m	dB	dB	dB/100m	dB/100m
1	2.1	74.3	72.3	20.0	67.8	64.8
4	3.8	65.3	63.3	23.0	55.8	52.8
10	5.9	59.3	57.3	25.0	47.8	44.8
16	7.5	56.2	54.2	25.0	43.7	40.7
20	8.4	54.8	52.8	25.0	41.8	38.8
31.25	10.5	51.9	49.9	23.6	37.9	34.9
62.5	15.0	47.4	45.4	21.5	31.9	28.9
100	19.1	44.3	42.3	20.1	27.8	24.8
200	27.6	39.8	37.8	18.0	21.8	18.8
250	31.1	38.3	36.3	17.3	19.8	16.8
300	34.3	37.1	35.1	16.8	18.3	15.3
500	45.3	33.8	31.8	15.2	13.8	10.8

ALL FIGURES QUOTED ARE APPROXIMATE

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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