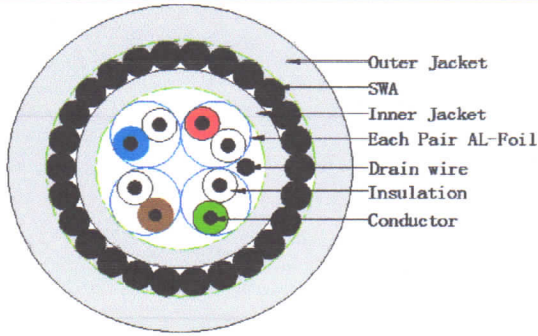


4 PAIR 23AWG CAT6A U/FTP SWA CABLE

Part No.

Cross Section



Marking

TBD

Description

Application

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

Reference Standard

ISO/IEC 11801 & EIA/TIA568C.2

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (mm)	1/0.56
Insulation	FMPE
Average Thickness(mm)	0.4
Insulation Dia.(±0.05mm)	1.35
Twisted	2C
AL foil(Each Pair)	YES
Assembly	4P
Drain wire	Tinned Copper
Conductor Dia. (mm)	1/0.40
Inner Jacket	LSZH
Average Thickness(±0.05mm)	0.85
Min. Point Thickness(mm)	0.70
Outer Dia.(±0.3mm)	8.2
Armor	Steel Wire
Single Dia.(±0.03mm)	0.90
Coverage(%)	100%
Outer Jacket	PE
Average Thickness(mm)	1.00
Min. Point Thickness(mm)	0.80
Outer Dia.(±0.8mm)	12.20
Weight(kg/km)	-----

Color

Insulation colors are:

1. White-Blue
2. White-Orange
3. White-Green
4. White-Brown

Jacket colors:

According to the customer.

Part No.: SPEC-D-032

Revision History

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)
1	2.1	74.3	72.3	20.0
4	3.8	65.3	63.3	23.0
10	5.9	59.3	57.3	25.0
16	7.5	56.2	54.2	25.0
20	8.4	54.8	52.8	25.0
31.25	10.5	51.9	49.9	23.6
62.5	15.0	47.4	45.4	21.5
100	19.1	44.3	42.3	20.1
200	27.6	39.8	37.8	18.0
250	31.1	38.3	36.3	17.3
300	34.3	37.1	35.1	16.8
500	45.3	33.8	31.8	15.2

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	67.8	64.8
4	55.8	52.8
10	47.8	44.8
16	43.7	40.7
20	41.8	38.8
31.25	37.9	34.9
62.5	31.9	28.9
100	27.8	24.8
200	21.8	18.8
250	19.8	16.8
300	18.3	15.3
500	13.8	10.8

Impedance	1~300MHZ	100+/-15
	300~500MHZ	100+/-25
Max. Conductor DC Resistance 20°C (ohms/km)		93.8
Delay Skew (ns/100m)		<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)		<=330
Min. insulation resistance(M ohms*km)		5000
Resistance Unbalance (%)		<=4
VOP		72%