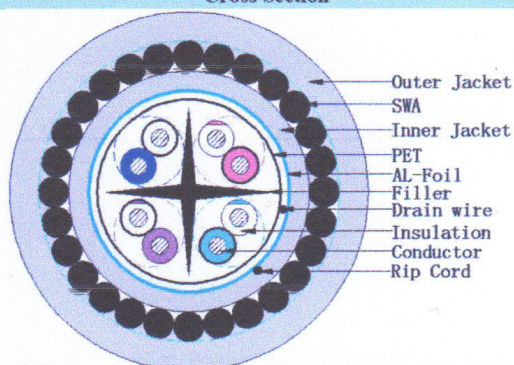


4 PAIR 23AWG CAT6 F/UTP SWA CABLE

Part No.

Cross Section



Marking

TBD

Description

Application

10/100/1000/10GBase-T, 1000Base-TX, ATM 155Mbit/s, FDDI ISDN,

Reference Standard

EIA/TIA 568C.2 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper	
AWG	23	
Conductor Dia. (±0.008mm)	0.55	0.55
Insulation	FMPE	HDPE
Average Thickness(mm)	0.32	0.26
Insulation Dia.(±0.05mm)	1.2	1.1
Twisting Lay Length(mm)	30underneath	
Cabling Lay Length(mm)	200underneath	
Filler(CROSS)	PE	
PET	YES	
Drain	Solid Tinned Copper	
Dia.(±0.01mm)	0.40	
AL-PET	YES	
Rip Cord	YES	
Inner Jacket	LSZH	
Average Thickness(mm)	1.00	
Min. Point Thickness(mm)	0.85	
Outer Dia.(±0.3mm)	8.4	
Armor	Steel Wire	
Single Dia.(±0.03mm)	0.90	
Coverage(%)	95%	
Outer Jacket	PE	
Average Thickness(mm)	1.00	
Min. Point Thickness(mm)	0.80	
Outer Dia.(±0.8mm)	12.30	
Weight(kg/km)	-----	

Color

Insulation colors are:

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

Jacket colors:

According to the customer.

Part No.: SPEC-D-078

Revision History

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
1	2.0	74.3	72.3	20.0
4	3.8	65.3	63.3	23.0
8	5.3	60.8	58.8	24.5
10	6.0	59.3	57.3	25.0
16	7.6	56.2	54.2	25.0
20	8.5	54.8	52.8	25.0
25	9.5	53.3	51.3	24.3
31.25	10.7	51.9	49.9	23.6
62.5	15.4	47.4	45.4	21.5
100	19.8	44.3	42.3	20.1
200	29.0	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns/100m)
1	67.8*	64.8	570
4	55.8	52.8	552
8	49.7	46.7	547
10	47.8	44.8	545
16	43.7	40.7	543
20	41.8	38.8	542
25	39.8	36.8	541
31.25	37.9	34.9	540
62.5	31.9	28.9	539
100	27.8	24.8	538
200	21.8	18.8	537
250	19.8	16.8	536

1.0-250MHz Characteristic Impedance (ohms)

100 ± 15

Delay Skew (ns/100m)

<=45

Mutual Capacitance(nF/KM)

≤56(1KHz)

Pair-to-Ground Capacitance Unbalance (pF/100m)

<=330

Max. Conductor DC Resistance 20°C (ohms/km)

93.8

Min. insulation resistance(M ohms*km)

5000

Resistance Unbalance within a pair(%)

<=4