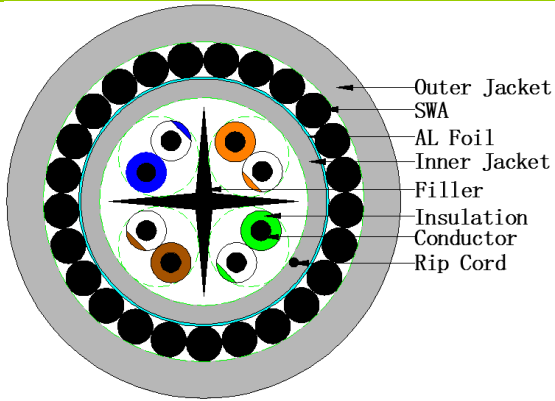


4 PAIR UTP CAT6 SWA CABLE **PRODUCT CODE: CAT6-SWA**

Cross Section



Marking

As per customer requirement

Description

Application
10/100/1000/10GBase-T,1000Base-TX, ATM 155Mbit/s, FDDI ISDN,
Reference Standard
EIA/TIA568C.2 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (+/-0.005mm)	0.55
Insulation	PE
Average Thickness(mm)	0.22
Insulation Dia.(±0.05mm)	1.02
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(mm)	200underneath
Filler(CROSS)	PE
Inner Jacket	PVC
Average Thickness(mm)	0.85
Min. Point Thickness(mm)	0.70
Outer Dia.(±0.3mm)	7.00
Rip Cord	YES
AL-Foil	YES
Armour	Steel Wire
Single Dia.(±0.03mm)	0.90
Coverage(%)	100%
Outer Jacket	PE
Average Thickness(mm)	1.20
Min. Point Thickness(mm)	1.00
Outer Dia.(±0.8mm)	11.50

Colour

Insulation colours:
Blue, White/Blue
Orange, White/Orange
Green, White/Green
Brown, White/Brown

Outer sheath colour
Customer specification

MPN: C209SSWA

Revision History

28/02/2018

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	Return Loss >=dB
1	2.0	74.3	72.3	20
4	3.8	65.3	63.3	23
10	6.0	59.3	57.3	25
16	7.6	56.2	54.2	25
20	8.5	54.8	52.8	25
31.25	10.7	51.9	49.9	24
62.5	15.4	47.4	45.4	22
100	19.8	44.3	42.3	20
200	29	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay ns/100m
1	67.8	64.8	570.0
4	55.8	52.8	552.0
10	47.8	44.8	545.0
16	43.7	40.7	543.0
20	41.8	38.8	542.0
31.25	37.9	34.9	540.0
62.5	31.9	28.9	539.0
100	27.8	24.8	538.0
200	21.8	18.8	537.0
250	19.8	16.8	536.0

1.0-250MHz Impedance (ohms)	100 ± 15
Mutual Capacitance(nF/KM)	<56(1KHz)
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5
NVP	65%