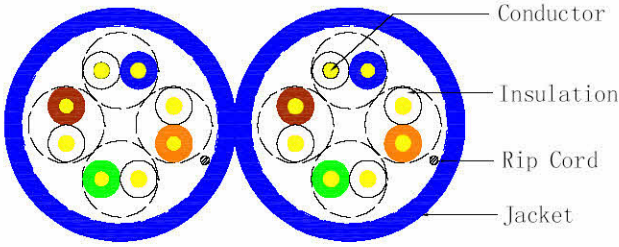


Cross Section



Electrical Characteristics(20°C)

Standard: TIA/EIA-568-B.2 & IEC/ISO 11801
 Product Standard Certification: E310605

Test Item	Units	Spec
1. Conductor D.C. Resistance	Ω/100m	≤9.5
2. Unbalance of Pair D.C Resistance	%	≤2.5
3. Dielectric Strength between Pairs	kv/min	≤1.0
4. Insulation Resistance	MΩ·km	≥5000
5. Capacitance	nF/100m	≤5.6
6. Unbalance of Capacitance	pF/100m	≤330
7. Characteristic impedance(1 to 100MHz)	Ω	100±15
8. Characteristic impedance(155 to 350MHz)	Ω	100±25
9. Short or Open of the loop	—	None
10. Shield	—	—

Cable Description

1) Conductor :	
Pairs	4
Total Conductor	8
AWG	24
Dia. of Conductor	Φ 0.50±0.01mm
Material	Solid Bare Copper
Elongation	≥15%
2) Insulate :	
Material	HDPE - Polyethylene
Nom. Thickness	0.19mm
Dia.	Φ 0.88±0.03mm
Elongation	≥300%
Color Cord	Pair 1: White-Blue & Blue Pair 2: White-Orange & Orange Pair 3: White-Green & Green Pair 4: White-Brown & Brown
3) Paired :	
Length of Lay	<30mm
4) Cabling:	
Order of the Pair	See the Cross Section
5) Sheath:	
Material	PVC - Polyvinyl Chloride
Color	Blue
Rip Cord	200D×3
Nom. Thickness	0.54±0.05mm
Min. Thickness	0.40mm
O.D.	Φ 5.2×Φ 10.5±0.5mm
Marking	Per Customer
6) Packing:	
Packing Mark	Accord to Contract
Appearance	Orderliness
Reel	Per Request

Frequency (MHz)	RL (dB)	SRL (dB)	ATTEN (dB/100m)	NEXT (dB/100m)
1	20.0	28.0	2.0	65.3
4	23.0	28.0	4.0	56.3
8	24.5	28.0	5.7	51.8
10	25.0	28.0	6.4	50.3
16	25.0	28.0	8.2	47.2
20	25.0	25.0	9.2	45.8
25	24.3	27.0	10.3	44.3
31.25	23.6	26.1	11.6	42.9
62.5	21.5	23.1	16.8	38.4
100	20.1	21.0	21.7	35.3
155	18.8	19.1	27.6	32.5
200	18.0	18.0	31.8	30.8
250	17.3	17.0	36.1	29.3
300	16.8	16.2	40.0	28.1
350	16.3	15.6	43.8	27.1

Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	62.3	64.0	61.0	45.0
4	53.3	52.0	49.0	45.0
8	48.8	45.9	42.9	45.0
10	47.3	44.0	41.0	45.0
16	44.2	39.9	36.9	45.0
20	42.8	38.0	35.0	45.0
25	41.3	36.0	33.0	45.0
31.25	39.9	34.1	31.1	45.0
62.5	35.4	28.1	25.1	45.0
100	32.3	24.0	21.0	45.0
155	29.5	20.2	17.2	45.0
200	27.8	18.0	15.0	45.0
250	26.3	16.0	13.0	45.0
300	25.1	14.5	11.5	45.0
350	24.1	13.1	10.1	45.0

Other Characteristics

Suttle	60.00 kg/km
Length	100m Coil 305m Plywood Drum 500m Plywood Drum 1000m Plywood Drum 2000m Plywood Drum

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength(Mpa)	≥13.5
Aging Elongation(%)	≥150
Aging Condition(°C×hrs)	100×168
Before Tensile Strength(Mpa)	≥12.5
Aging Elongation(%)	≥125
Cold Bend(-20±°C×4hrs)	No crack

Revision History

Date : Define by : Rev : A/0
 Prepared by : King Date: 2007-01-16
 Approved by: WangYuanYuan Page: 1 of 1