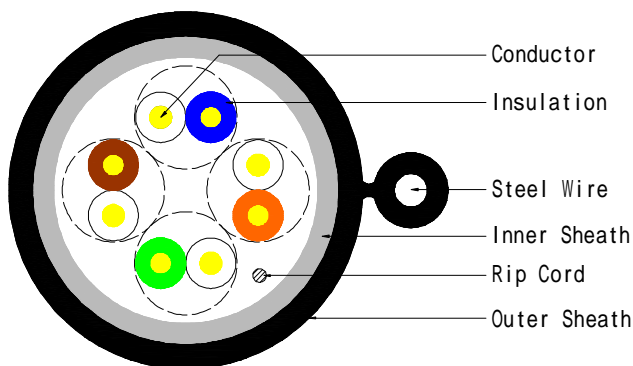


Cross Section



Electrical Characteristics(20°C)

Standard: TIA/EIA-568-B.2 & IEC/ISO 11801
 Product Standard Certification : E227171

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	M Ω ·km	≥5000
5. Capacitance	nF/100m	≤5.6
6. Unbalance of Capacitance	pF/100m	≤330
7. Characteristic impedance	Ω	100±15
8. Short or Open of the loop	—	None
9. Shield	—	—

Cable Scription

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
Nom. Thickness	0.18mm
Dia.	Φ 0.90±0.05mm
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	<38mm
4) Cabling:	
Order of the Pair	See the Cross Section
5) Sheath:	
Material	Inner: PVC Outer: PE...
Rip Cord	200D×3
Steel Wire	Φ 1.30±0.1mm
Nom. Thickness	Inner:0.50±0.05mm Outer:0.55±0.05mm
Min. Thickness	0.40mm
O.D.	Φ 6.5- Φ 2.8±0.3mm
Color	Inner:Black Outer:Black
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	20.00	28.00	2.03	65.30
4	23.01	28.00	4.03	56.27
8	24.52	28.00	5.73	51.75
10	25.00	28.00	6.43	50.30
16	25.00	28.00	8.19	47.24
20	25.00	25.00	9.20	45.78
25	24.32	27.03	10.33	44.33
31.25	23.64	26.06	11.62	42.88
62.5	21.54	23.05	16.79	38.36
100	20.11	21.01	21.65	35.30

Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	62.30	64.00	61.00	45.00
4	53.27	51.96	48.96	45.00
8	48.75	45.94	42.94	45.00
10	47.30	44.00	41.00	45.00
16	44.24	39.92	36.92	45.00
20	42.78	37.98	34.98	45.00
25	41.33	36.04	33.04	45.00
31.25	39.88	34.10	31.10	45.00
62.5	35.36	28.08	25.08	45.00
100	32.30	24.00	21.00	45.00

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

Other Characteristics

Weight	70 kg/km
Length	100m Coil 305m Reel Box 500m Plywood Drum 1000m Plywood Drum 2000m Plywood Drum

Revision History

Date: Define by Rev:

Prepared by: King Date: 2006-1-8
 Approved by: WangYuanYuan Page: 1 of 1



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