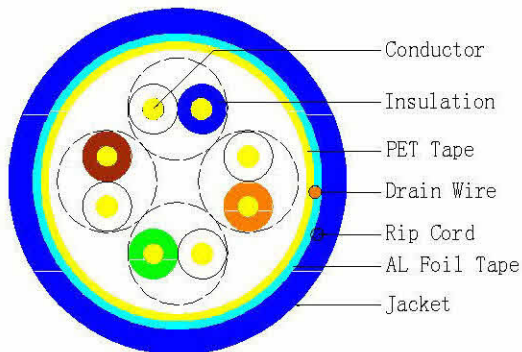


Cross Section



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. Dielectric Strength Conductor to Screen	kv/min	≤2.5
5. Insulation Resistance	MΩ·km	≥5000
6. Capacitance	nF/100m	≤5.6
7. Unbalance of Capacitance	pF/100m	≤330
8. Characteristic impedance(1 to 100MHz)	Ω	100±15
9. Characteristic impedance(155 to 350MHz)	Ω	100±30
10. Short or Open of the loop		None
11. Shield		Continue

Cable Description

1) Conductor :	
Number of Pairs	4
Total Number of Conductors	8
AWG	24
Dia. of Conductor	Φ 0.50±0.01mm
Conductor Material	BC - Bare Copper
Elongation	≥15%
2) Insulate :	
Insulate Material	HDPE - Polyethylene
Nom. Thickness	0.23mm
Dia.	Φ 0.98±0.05mm
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
PET Polyester Tape	0.03×18mm
Drain Wire	24AWG
Drain Wire Conductor Material	TC - Tinned Copper
Vertical Wrap	AL Foil-Polyester Tape 0.045×18mm
Outer Shield %Coverage	100%
5) Sheath:	
Outer Sheath Material	LDPE - Polyethylene
Color	Black
Rip Cord	200D×3
Nom. Thickness	1.20±0.10mm
O.D.	Φ 6.50±0.50mm
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

Mechanical Characteristics

Test Object	Jacket
Test Material	LDPE
Operating Temperature Range	-40°C to +65°C

Other Characteristics

Suttle	40.00 kg/km
Length	305m Reel Box 500m Plywood Drum 1000m Plywood Drum 2000m Plywood Drum

Revision History

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

EMAIL: Sales@sellntell.com

1-888-Sel-N-Tel