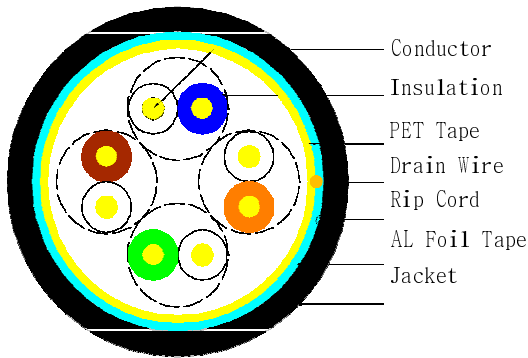


# JEFA Tech OUTDOOR CAT 5E SHIELDED SOLID LAN CABLE w/ Ground Wire 24AWG 4Pairs LDPE

## Cross Section



## Electrical Characteristics (20 °C)

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

Product Standard Certification:

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
	(100 to 200MHz)	100±25
	(200 to 350MHz)	100±35
9. Short or Open of the loop	—	None
10. Shield	—	Continue

## Cable Description

### 1) Conductors :

Pairs	4
Total Conductor	8
AWG	24
Dia. of Conductor	Φ 0.50±0.01mm
Material	Solid Bare Copper
Elongation	≥ 15%

### 2) Insulation :

Material	HDPE - Polyethylene
Nom. Thickness	0.24mm
Dia.	Φ 0.98±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	< 30mm
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### 4) Cabling:

Order of the Pair	See the Cross Section
Mylar Tape	0.03×18mm

### 5) Shielding:

Vertical Wrap	Al-Mylar Tape 0.055×18mm
Coverage %	100%
Dia. of Conductor	Φ 0.50±0.10mm
Drain Wire	TC - Solid Tinned Copper

### 6) Sheath:

Material	LDPE
Rip Cord	200D×3
Nom. Thickness	0.75±0.03mm
O.D.	Φ 6.50±0.3mm
Color	Black

### PART NUMBERS

- JT-C5E-S-1000  
1000FT Wooden Drum  
- JT-C5E-S-BTF  
By The Foot

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
155	18.80	19.10	27.20	32.50
200	18.00	18.00	32.40	30.80
250	17.30	17.00	21.65	29.30
300	16.80	16.20	41.00	28.10
350	16.30	15.60	44.90	27.10

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
155	29.50	20.20	17.20	45.00
200	27.80	18.00	15.00	45.00
250	26.30	16.00	13.00	45.00
300	25.10	14.50	11.50	45.00
350	24.10	13.10	10.10	45.00

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