Elite Cable

Product Part Number----TSX2404XB41

F/UTP, 24AWG solid bare copper, CAT.6, Direct Burial

APPLICATION

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video, and audio applications.
- Overall metal shielded providing good protection from EMI noise.
- IEEE 802.3an 10GBASE-T and legacy speeds.
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

STANDARD COMPLIANCES

- ANSI/TIA-568.2-D (2018)
- ISO/IEC 11801-1
- IEC 61156-5 (Edition 2.1)
- UL 444
- UL 13 (sec.35 & 36)
- CSA 22.2 NO.214
- EU Directive 2011/65/EU (RoHS2)
- EU Directive 2006/95/EC (LVD)

CONSTRUCTION

Conductors
- 24 AWG solid bare annealed copper

Insulation
- Polyolefin (PO)

Color Code

Pair 1: Blue-White	1.01 ± 0.02 mm
Pair 2: Orange-White	0.99 ± 0.02 mm
Pair 3: Green-White	1.01 ± 0.02 mm
Pair 4: Brown-White	0.99 ± 0.02 mm

Separator
- Filler

Waterproof
- Gel filling

Inner Jacket
- Polyvinyl chloride (PVC)

Shield
- Polyester-backed aluminum foil

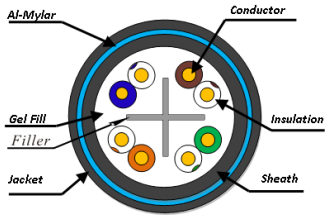
Jacket
- Polyethylene (PE)

Marking

ELITE CAT6 F/UTP 4PR/24AWG 75℃ DIRECT BURIAL VERIFIED TO TIA-568.2-D mmyy RoHS COMPLIANT XXXX FT

Note : mmyy is date code.

CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance Ohms/100 m (328 ft) @ 20°C	9.38
DC Resistance Unbalanced Individual Pair %	5
Delay Skew (Max) ns/100 m	45
Nom. Velocity of Propagation % Speed of Light	68
Characteristic Impedance Frequency (f):	Ohms 100 ± 15

PHYSICAL CHARACTERISTICS

Nominal Cable Diameter (mm)	8.3
Nominal Cable Weight (kg/1000 ft)	18.9
Minimum Bend Radius	≥ 8 times O.D.
Maximum Pulling Force	≤ 110 N
Temperature Rating (°C)	
Storage & shipping:	-20°C to 75°C
Installation:	0 to +60
Operation:	-20 to +60

Transmission Performance (at 20°C)

Frequency (MHz)	IL (Max.)	NEXT (Min.)	PS. NEXT (Min.)	ACR (Min.)	PS. ACR (Min.)	ACRF (Min.)	PS. ACRF (Min.)	RL (Min.)	Propagation Delay (Max.)
	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	ns/100m
1	2.03	74.30	72.30	72.28	70.28	67.80	64.80	20.00	570.00
4	3.78	65.27	63.27	61.49	59.49	55.76	52.76	23.01	552.00
8	5.32	60.75	58.75	55.43	53.43	49.74	46.74	24.52	546.73
10	5.95	59.30	57.30	53.35	51.35	47.80	44.80	25.00	545.38
16	7.55	56.24	53.24	48.68	46.68	43.72	40.72	25.00	543.00
20	8.47	54.78	52.78	46.31	44.31	41.78	38.78	25.00	542.05
25	9.51	53.33	51.33	43.83	41.83	39.84	36.84	24.32	541.20
31.25	10.67	51.88	49.88	41.20	39.20	37.90	34.90	23.64	540.44
62.5	15.38	47.36	45.36	31.98	29.98	31.88	29.88	21.54	538.55
100	19.80	44.30	42.30	24.50	22.50	27.80	24.80	20.11	537.60
150	24.71	41.66	39.66	16.95	14.95	24.28	21.28	18.87	536.94
200	28.98	39.78	37.78	10.80	8.80	21.78	18.78	18.00	536.55
250	32.85	38.33	36.33	5.48	3.48	19.84	16.84	17.32	536.28
300	36.43	37.14	35.14	0.72	N.A	18.26	15.26	16.77	536.08
350	39.79	36.14	34.14	N.A.	N.A.	16.92	13.92	16.30	535.92
400	42.97	35.27	33.27	N.A.	N.A.	15.76	12.76	15.89	535.80

Values above 250MHz are for information only.

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Edition 1.0
2021.04.01