

## Elite 1000X™ CAT6 400 MHz LAN 4 \*UTP Cable

Construction:

\*Unshielded Twisted Pair

Item #	Flame Rating	Jacket	Color	Wt. Lb. / Wt.Kg	O.D.	Packaging Put-Up
GCTUR2404N70xx	CMR	PVC Riser	xx	28 / 12.7	5.20 ± .2mn	1000' Reelex
GCTUP2404N70xx	CMP	Plenum	xx	31 / 14.06	5.20 ± .2mn	1000' Reelex

xx= (BU) Blue, (BLK) Black, (GY) Gray, (WH) White, (YE) Yellow, (RE) Red, (GR) Green

**Industry Standards:**

UL/cUL Listed CMR, CMP  
UL, ETL and 3P Verified to Standards  
ISO/IEC-11801  
NEMA WC 63.1

**Material Descriptions:**

Conductor: 24AWG for PVC - 23AWG for Plenum t Jacket: FRPVC  
Insulation: FRPE (CMR), FEP (CMP)

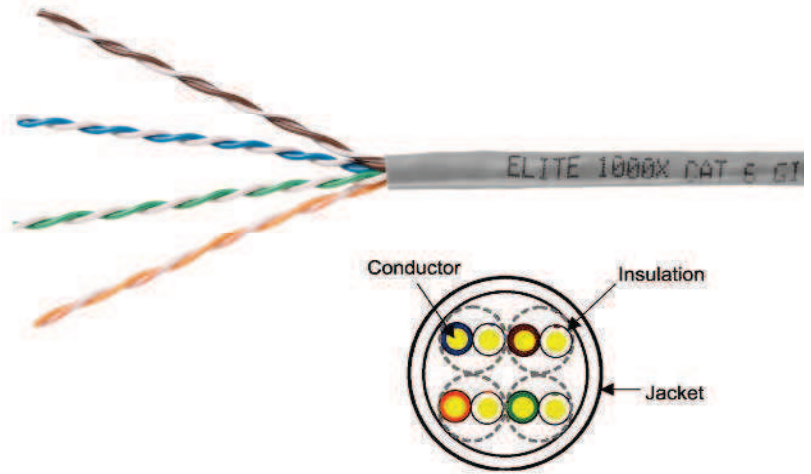
Ripcord: Under jacket

**Applications:**

Gigabit Ethernet  
ATM 622 or higher  
Broadband video  
(77 channels, 400MHz)

**Product Electrical Characteristics:**

Impedance: 100±15ohms  
Mutual Capacitance (max. nf/1000ft): 17.1  
DC Resistance (max. Ohms/1000ft): 28.6  
DC Resistance Unbalance of a pair: 5% max  
Propagation Delay Skew: 25 nS/100M  
Capacitance Unbalance (Pair to Ground): 330pf/100m max  
Normal Velocity of Propagation: 66%  
Attenuation-to-Crosstalk Ratio: At 100MHz: 24.4dB/min.



At 155MHz: 16.2dB/min. At 250MHz: 5.3dB/min.

Frequency MHz	ATT Max	NEXT Min	ACR Min	PS.NEXT Min	PS.ACR Min	ELFEXT Min	PS.ELFEXT Min	R.L. Min
1	2	74.3	72.3	72.3	70.3	67.8	64.8	20
4	3.8	65.5	61.5	63.3	59.5	55.7	52.7	23
8	5.4	60.8	55.4	28.8	53.4	49.7	46.7	24.5
10	6	59.3	53.3	57.3	51.3	47.8	44.8	25
16	7.6	56.3	48.7	54.3	46.7	43.7	40.7	25
20	8.5	54.8	46.3	52.8	44.3	41.7	38.7	25
25	9.6	53.3	43.7	51.3	41.7	39.8	36.8	24.3
31.25	10.7	51	41.2	49.9	39.2	37.9	34.9	23.6
62.5	15.5	47.4	31.9	45.1	29.9	31.8	28.8	21.5
100	19.9	44.3	24.4	42.3	22.4	27.8	24.8	20.1
155	25.3	41.5	16.2	39.5	14.2	23.9	20.9	18.8
200	29.2	39.8	10.6	37.8	8.6	21.7	18.7	18
250	33	38.3	5.3	36.3	3.3	19.8	16.8	17.3
300	36.4	37.2	0.08	35.2	0	18.2	15.2	16.8
400	43	35.3	-	33.3	-	15.7	12.7	15.9

