



## 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
PC-26023	CMR	PVC Riser	xx	28 / 12.7	5.20 ± .2mm	1000' Reelex
PC-26624	CMP	Plenum	xx	31 / 14.06	5.20 ± .2mm	1000' Reelex

xx= (BU) Blue, (BK) 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

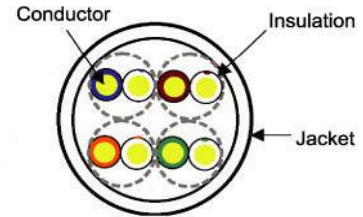
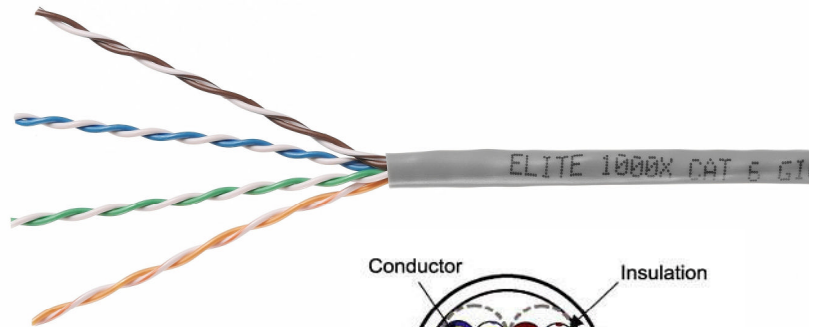
**Material Descriptions:**

Conductor: 23AWG bare solid copper  
 Insulation: FRPE (CMR), FEP (CMP)

Ripcord: Under jacket  
 Jacket: FRPVC

**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

