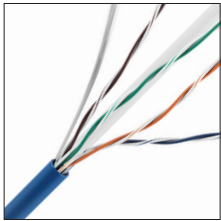


# CAT6 PLENUM CABLE

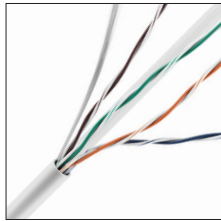
## 23/4 CMP/FT6 REEL IN BOX



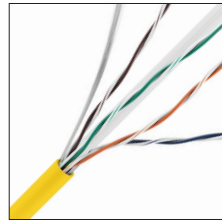
### SPEC SHEET



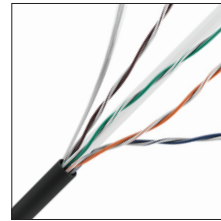
0E-CAT6PBL



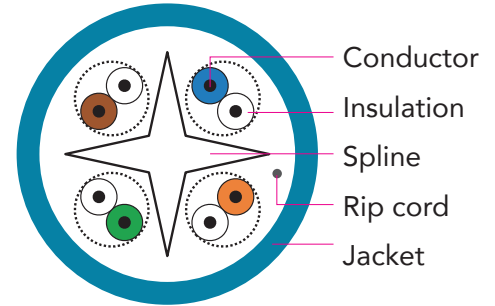
0E-CAT6PWH



0E-CAT6PYW



0E-CAT6PBK



### Physical Characteristics

**Conductor:** 23 AWG Solid Bare Annealed Copper

**Insulation:** FEP (Fluorinated Ethylene Propylene)

**Conductor Color Code:**

- Pair 1: Blue - White/Blue
- Pair 2: Orange - White/Orange
- Pair 3: Green - White/Green
- Pair 4: Brown - White/Brown

**Spline:** FR Polyolefin

**Rip Cord:** Applied longitudinally under jacket

**Jacket:** Plenum PVC (Low-Smoke, Flame-Retardant and RoHS compliant)

**Jacket Legend:**

- 0000FT CAT 6 4 PR 23 AWG E507576 (UL) CMP c(UL)us FT6 75C (RoHS)
- UL VERIFIED TO TIA-568.2-D CAT 6 ##### RM# A B C D E F 1 2 3 4 5 6 7 8 9

**Nominal Cable Diameter (in.):** 0.232

**Nominal Cable Net Weight (lbs./1000ft.):** 33.10

**Minimum Bend Radius (in.):** 1.0

**Maximum Pulling Force (lbs.):** 25

**Temperature Rating (°F):**

- Installation: +32 to +140
- Storage & Operation : -4 to +167

**Operating Voltage:** 300V

### Applications

IEEE802.3: 1000BASE-T, 100 BASE-TX, 10 BASE-T, ANSI/TIA/EIA 854: 1000BASE-TX, 155Mp/s, 1.2 Gb/s ATM, ANSI X3.263: 100Mb/s, IEEE 802.3af DTE Power (PoE), Digital Video



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# CAT6 PLENUM CABLE

## 23/4 CMP/FT6 REEL IN BOX



### Standard Compliance

- ANSI/TIA-568.2-D
- ANSI/TIA-862 (Building Automation)
- IEC 11801 Ed.2.0 (Class E)
- ICEA S-102-700 (Category 6)
- NEC/CEC Type CMP (NFPA 262) for Plenum
- UL 444
- RoHS Compliant Directive 2011/65/EU

### Certifications



### Certifications for Management System

ISO9001: 2008, ISO14001: 2004, OHSAS 18001

### Electrical Characteristics

Max. Capacitance (nF/100m @ 1 kHz)	Max. DC Resistance (Ω/100m @ 68°F)	Dielectric Strength (DC-kV, 2s)	Characteristic Impedance (Ω 1~100 MHz)
5.6	9.38	2.5	100 ± 15

Frequency MHz	Insertion Loss dB/100m (Max.)	NEXT dB/100m (Min.)	PS NEXT dB/100m (Min.)	ACRF dB/100m (Min.)	PS ACRF dB/100m (Min.)	Return Loss dB/100m (Min.)	PD ns/100m (Max.)	PD Skew ns/100m (Max.)
1	2.0	74.3	72.3	67.8	64.8	20.0	570	45
4	3.8	65.3	63.3	55.8	52.8	23.0	552	45
10	6.0	59.3	57.3	47.8	44.8	25.0	545	45
16	7.6	56.2	54.2	43.7	40.7	25.0	543	45
20	8.5	54.8	52.8	41.8	38.8	25.0	542	45
31.25	10.7	51.9	49.9	37.9	34.9	23.6	540	45
62.5	15.4	47.4	45.4	31.9	28.9	21.5	539	45
100	19.8	44.3	42.3	27.8	24.8	20.1	538	45
250	32.8	38.3	36.3	19.8	16.8	17.3	536	45
300	36.4	37.1	35.1	18.3	15.3	16.8	536	45
400	43.0	35.3	33.3	15.8	12.8	15.9	536	45
500	48.9	33.8	31.8	13.8	10.8	15.2	536	45

\* Spec meets ANSI/TIA 568.2-D standard. Sweep tested to 500 MHz, all values are dB/100m (328 ft.) and values above 250 MHz are for informational purposes only.



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