

CAT5E PLENUM CABLE

24/4 CMP/FT6 EXPRESS BOX

ADI PRO

PHYSICAL CHARACTERISTICS

Conductor: 24 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

Rip Cord: Applied longitudinally under jacket

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

Jacket Color Code:

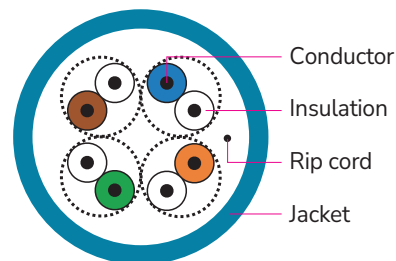
- White / RAL9010
- Blue / RAL5015
- Black / RAL9011

Nominal Cable Diameter (in.): 0.178

Nominal Cable Net Weight (lbs / 1000ft): 18.67

Minimum Bend Radius (in.): 1.0

Maximum Pulling Force (lbs): 25



Part#

0E-CAT5PWH
0E-CAT5PBL
0E-CAT5PBK

Length

1000FT Express box

PROPERTIES

Operating Voltage: 300 Volts max

Max. DC Resistance(Ω /100m @ 68°F): 9.38

Max. Capacitance(nF/100m @ 1kHz): 5.6

Dielectric Strength(DC-kV, 2s): 2.5

Temperature Rating(°F):

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

Flame Rating: CMP/FT6

RoHS Compliant: Yes

Country of Origin: Republic of Korea

APPLICATIONS

IEEE802.3: 1000BASE-T, 100BASE-T, 10BASE-T

155Mb/s, 622Mb/s ATM, ANSI x 3.263: 100Mb/s

4/16 Mb/s Token Ring

Broadband and Baseband Analog Video

JACKET LEGEND

0000FT CAT 5E 4 PR 24 AWG E507576 (UL) CMP c(UL)us
FT6 75C (RoHS) UL VERIFIED TO TIA-568.2-E CAT 5E
MM/YY ##### RM# A B C D E F 1 2 3 4 5 6 7 8 9



For more information, contact your ADI Sales person or visit
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STANDARD COMPLIANCE

ANSI/TIA-568.2-E

ANSI/TIA-862(Building Automation)

IEC 11801(Class D)

ICEA S-90-661 (Category 5E)

NEC/CEC Type CMP(NFPA 262) for Plenum

UL 444

CERTIFICATIONS



ELECTRICAL CHARACTERISTICS

Frequency	Insertion Loss	NEXT	PS NEXT	ACRF	PS ACRF	Return Loss	PD	PD Skew
MHz	dB/100m (Max.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	ns/100m (Max.)	ns/100m (Max.)
1	2.0	65.3	62.3	63.3	60.8	20.0	570	45
4	4.1	56.3	53.3	51.8	48.8	23.0	552	45
10	6.5	50.3	47.3	43.8	40.8	25.0	545	45
16	8.2	47.2	44.2	39.7	36.7	25.0	543	45
20	9.3	45.8	42.8	37.8	34.8	25.0	542	45
31.25	11.7	42.9	39.9	33.9	30.9	23.6	540	45
62.5	17.0	38.4	35.4	27.9	24.9	21.5	539	45
100	22.0	35.3	32.3	23.8	20.8	20.1	538	45
200	32.4	30.8	27.8	17.8	14.8	18.0	537	45
350	44.9	27.1	24.1	12.9	9.9	16.3	536	45

* Spec meets ANSI/TIA 568.2-E standard. Sweep tested to 350 MHz, All values are dB/100m (328 ft.)



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