

Component Specifications

Part Numbers
5EUMC-04* 5EUPC-04*
5EULC-04*

GigaMax 5e Cable

APPLICATION

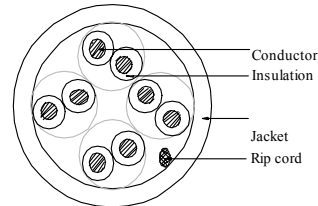
Leviton GigaMax 5e cable for Enhanced Category 5 UTP structured cabling systems. Uses include high megabit and shared-sheath applications such as Gigabit Ethernet, 622Mbps ATM and Broadband video.

STANDARDS COMPLIANCE

Meets and exceeds all applicable standards: UL Standard 444; complies with all TIA/EIA-568-B.2-1 and ISO/IEC 11801 requirements.

PHYSICAL SPECIFICATIONS

Conductor: 24 AWG, solid bared copper.
Insulation: CM/LSOH - Polyolefin (PE);
CMP – Dual Insulation (FEP).
Cable core: Four twisted pair with Rip cord.
Jacket: Non-Plenum: PVC;
Plenum: LSPVC;
LSOH: Low Smoke & Fume Zero Halogen Polymer Alloy.
Color: Grey, White, Blue, Yellow, Green, Red, Purple.



TYPICAL SPECIFICATION

The cable shall provide Enhanced Category 5 performance for cross connecting Enhanced Category 5 connectivity and/or backbone cables to high performance Enhanced Category 5 horizontal cable systems. The cable shall be 24 AWG with solid bared copper. The cable shall be available in Grey, White, Blue, Yellow, Green, Purple and Red colors. The cable must meet performance requirements per TIA/EIA-568-B.2-1 and ISO/IEC 11801 requirements. The manufacturer shall provide a one-year limited product warranty and 15 year product performance guarantee. The manufacturer shall provide a lifetime warranty against defects in material and workmanship, and an application guarantee when installed as part of a certified system.

DESIGN CONSIDERATIONS

Proposed TIA/EIA channel performance limits the total length of horizontal cable to 288 feet (90 meters) per TIA/EIA-568-B.

WARRANTY INFORMATION

- One-year limited product warranty and 15-year performance guarantee are standard.
- Product and performance warranties are extended to a Lifetime as part of Leviton's Certified Cabling System.

PART NUMBERS

GigaMax 5e Cable, 24 AWG	Part No.
4-pair, Non Plenum, CM, 1000ft/box	5EUMC-04*
4-pair, Plenum, CM, 1000ft/box	5EUPC-04*
4-pair, LSOH, CM, 1000ft/box	5EULC-04*

*= Colors: (G) grey, (W) white, (L) blue, (Y) yellow, (V) green, (R) red, (P) purple

PERFORMANCE CHARACTERISTICS

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return Loss (dB)
0.772	1.8	71.0	69.0	69.2	67.2	66.0	63.0	--
1.0	2.0	69.3	67.3	67.3	65.3	63.8	60.8	20.0
4.0	4.1	60.3	58.3	56.3	54.3	51.7	48.7	23.0
8.0	5.7	55.8	53.8	50.1	48.1	45.7	42.7	24.5
10.0	6.3	54.3	52.3	48.0	46.0	43.8	40.8	25.0
16.0	8.1	51.3	49.3	43.2	41.2	39.7	36.7	25.0
20.0	9.1	49.8	47.8	40.7	38.7	37.7	34.7	25.0
25.0	10.2	48.3	46.3	38.1	36.1	35.8	32.8	24.3
31.25	11.5	46.9	44.9	35.4	33.4	33.9	30.9	23.6
62.5	16.7	42.4	40.4	25.7	23.7	27.8	24.8	21.5
100.0	21.6	39.3	37.3	17.7	15.7	23.8	20.8	20.1
200.0	31.9	34.8	32.8	2.9	0.9	17.7	14.7	18.0
250.0	36.3	33.3	31.3	-2.9	-4.9	15.8	12.8	17.3
300.0	40.3	32.2	30.2	-8.2	-10.2	14.2	11.2	16.8
350.0	44.2	31.2	29.2	-13.0	-15.0	12.9	9.9	16.3

Impedance: 100ohms +15, 1MHz to 200MHz
Pair-to-Ground Capacitance Unbalance: 330 pF/100 m

DC Resistance @ 20°C, max.: 93.8 ohms/1 km
Resistance Unbalance, max.: 5%

Skew: 25 ns max
Conductor Dia.: 0.525 mm

