

## Features And Benefits

- For applications that require optimal Cat 5e performance with flexibility for the future
- Performance guaranteed to 350 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance

## Applications

- IEEE 802.3: 1000 BASE-T (Gigabit Ethernet), 100 BASE-TX, 10 BASE-T
- 155 Mp/s, 622 Mp/s ATM
- ANSI X3.263: 100 Mb/s
- 4/16 Mb/s Token Ring
- Broadband and Baseband Analog Video

## Standard Compliances

- ANSI/TIA/EIA 568 C.2
- ANSI/TIA/EIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class D)
- ICEA S-90-661 (Category 5e)
- NEC/CEC Type CMR (UL 1666) for Non-Plenum
- NEC/CEC Type CMP (NFPA 262) for Plenum
- RoHS Compliant Directive 2002/95/EC
- UL 444



**Gepco® Brand CT504/350 Enhanced Category 5e Cables** feature extended bandwidths and precision tolerances to meet or exceed the latest TIA/EIA and ISO standards. Designed to deliver reliability in leading-edge networking, data and video applications, every reel is ETL listed and UL verified to ensure consistent performance. Available in plenum and riser constructions, Gepco Enhanced Category 5e cables may be installed in a variety of applications and environments.



## CONSTRUCTION

### Conductors

- 24 AWG solid bare annealed copper

### Insulation

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer

### 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

- Non-Plenum: Flame-Retardant PVC
- Plenum: Low-Smoke, Flexguard® Flame-Retardant PVC

## PHYSICAL DATA

	CMR (Non-Plenum)	CMP (Plenum)
Nominal Cable Diameter (in)	0.200	0.180
Nominal Cable Weight (lbs/1000ft)	21	19
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	25	25
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75

## PART NUMBERS

Jacket Color	Spool-Pac®	
	CMR (Non-Plenum)	CMP (Plenum)
 Blue	CT504/350-07	CT504/350P-07
 White	CT504/350-02	CT504/350P-02
 Yellow	CT504/350-05	CT504/350P-05
 Gray	CT504/350-10	CT504/350P-10
 Red	CT504/350-03	CT504/350P-03
 Orange	CT504/350-04	CT504/350P-04
 Green	CT504/350-06	CT504/350P-06
 Black	CT504/350-01	CT504/350P-01
 Pink	CT504/350-13	CT504/350P-13
 Purple	CT504/350-19	CT504/350P-19

Non-stock items may be subject to minimum order quantities.

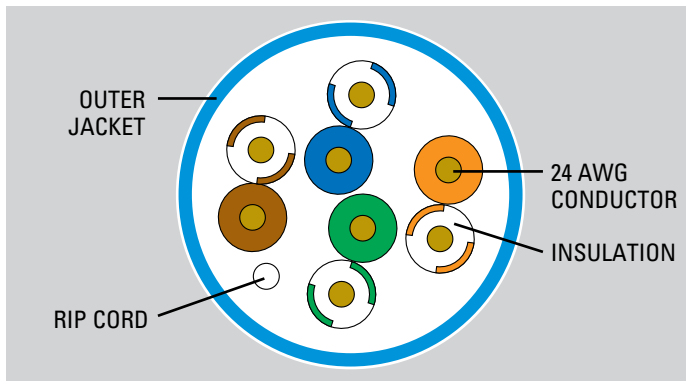
Data subject to change without notice.

## ELECTRICAL PERFORMANCE

Frequency MHz	PSACR (min)	ACR (min)	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSELFEXT (min)	ELFEXT (min)	Return Loss (min)
1	63.3	64.3	2.0	65.3	66.3	61.0	64.0	25.0
4	52.3	53.3	4.0	56.3	57.3	49.0	52.0	25.0
10	43.9	44.9	6.4	50.3	51.3	41.0	44.0	25.0
16	39.1	40.1	8.1	47.2	48.2	36.9	39.9	25.0
20	36.6	37.6	9.2	45.8	46.8	35.0	38.0	25.0
25	34.0	35.0	10.3	44.3	45.3	33.0	36.0	24.3
31.25	31.3	32.3	11.6	42.9	43.9	31.1	34.1	23.6
62.5	21.6	22.6	16.8	38.4	39.4	25.1	28.1	21.5
100	13.6	14.6	21.7	35.3	36.3	21.0	24.0	20.1
155	4.7	5.7	27.7	32.4	33.4	17.2	20.2	—
200	—	—	32.0	30.8	31.8	15.0	18.0	—
250	—	—	36.4	29.3	30.3	13.0	16.0	—
300	—	—	40.5	28.1	29.1	11.5	14.5	—
350	—	—	44.3	27.1	28.1	10.1	13.1	—

Note: Values are expressed in dB per 100m (328 ft.) length.

## ENHANCED CATEGORY 5e CROSS-SECTION



## ELECTRICAL CHARACTERISTICS

<b>DC Resistance (max)</b> Ohms/100m (328ft) @ 20°C	8.9
<b>DC Resistance Unbalance (max)</b> Individual Pair %	3.0
<b>Delay Skew (max)</b> ns/100m	45
<b>Nom. Velocity of Propagation</b> % Speed of Light	CMP: 72 CMR: 70
<b>Characteristic Impedance</b> Frequency (f):	Ohms 100 ± 15
<b>Input Impedance</b> Frequency (f):	Ohms 100 ± 15 100 ± 22 100 ± 32