

## FEATURES & BENEFITS

- Unique Inner Belt Maintains Electrical Characteristics in Portable Applications
- Extra-Flexible, Low-Loss and 4-Channel Versions
- Meets or Exceeds TIA/EIA and/or ISO/IEC Standards for Cat 5e Cable
- Terminates with Neutrik® etherCON® Connectors or RJ45 Connectors with Boots
- 100 MHz Bandwidth
- Ethernet Network Patching
- For Portable Use or Remote Environments



The Gepco® Brand of heavy-duty tactical Category 5e cables are ideal for portable or remote patching of Ethernet networks or digital audio/video formats that utilize Cat 5e type interconnects. The CT504HD series features a unique double-jacket construction for exceptional durability. The inner jacket maintains the proper physical spacing between pairs to achieve ISO/IEC or TIA/EIA Cat 5e specifications, while the durable TPE outer jacket protects the cable from damage or abuse. Gepco's heavy-duty Cat 5e cables are available in three types: the original CT504HD with stranded conductors for flexibility, the CT504HDX with solid conductors for low loss, and a multi-channel snake (2-channel CTS2504HDX or 4-channel CTS4504HDX) for applications that require multiple or redundant channels of Cat 5e. The CT504HD series can be terminated with either standard Cat 5 RJ45 connectors or the ruggedized Neutrik® etherCON® connectors.

### Cable Mechanical Specifications (Series)

Insulation	Pair Color Code	Cat 5e Inner Jacket (Type, OD)	Cat 5e Outer Jacket
PE	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown	Clear TPE, .190"	Black TPE

### Cable Mechanical Specifications (Individual)

Part #	# of Pairs	Nominal OD	Conductors	Multi-Channel Master Jacket	UL Type	Weight
CT504HD	4	0.260"	24 AWG (41x40) Stranded TC	N/A	AWM Style 21144	26 lbs/Mft
	<i>Heavy-Duty Tactical Cat 5e Cable: Extra-Flexible</i>					
CT504HDX	4	0.245"	24 AWG Solid BC	N/A	AWM Style 21144	26 lbs/Mft
	<i>Heavy-Duty Tactical Cat 5e Cable: Low-Loss</i>					
CTS2504HDX	2 x 4 (2 Channels of 4 Pairs)	0.599"	24 AWG Solid BC	Black, TPE	-----	115 lbs/Mft
	<i>2-Channel Heavy-Duty Tactical Cat 5e Snake</i>					
CTS4504HDX	4 x 4 (4 Channels of 4 Pairs)	0.650"	24 AWG Solid BC	Black, TPE	-----	200 lbs/Mft
	<i>4-Channel Heavy-Duty Tactical Cat 5e Snake</i>					

### Cable Electrical Specifications

Part #	DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop.	Standards						
CT504HD	28.6 Ω/Mft	5%	17 pF/ft	100 Ω	45 ns/100 m	69%	ISO/IEC 11801 Cat 5e Patch Cable						
	Freq. (MHz)		<b>0.772</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>10</b>	<b>16</b>	<b>20</b>	<b>25</b>	<b>31.25</b>	<b>62.5</b>	<b>100</b>
	Insertion Loss (dB/100m)		2.7	3.0	6.2	8.7	9.8	12.3	14.0	15.6	17.6	25.5	33.0
	PSNEXT (dB)		64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
	PSACR (dB/100m)		61.3	59.3	47.2	40.1	37.6	32.0	28.9	25.7	22.4	9.9	-0.7
	PSELFEXT (dB/100m)		63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8
	RL (dB)		----	20.0	23.0	24.5	25.0	25.0	25.0	24.2	23.3	20.7	19.0
CT504HDX CTS4504HDX	28.6 Ω/Mft	5%	17 pF/ft	100 Ω	45 ns/100 m	69%	Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801						
	Freq. (MHz)		<b>0.772</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>10</b>	<b>16</b>	<b>20</b>	<b>25</b>	<b>31.25</b>	<b>62.5</b>	<b>100</b>
	Insertion Loss (dB/100m)		1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
	PSNEXT (dB)		64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
	PSACR (dB/100m)		62.2	60.3	49.2	43.0	40.8	36.1	33.5	30.9	28.2	18.4	10.3
	PSELFEXT (dB/100m)		63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8
	RL (dB)		----	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1



Assemblies						
Cable Type	Connectors	Standard Lengths	Cable Color	Standards	Part #	
<b>Category 5e Tactical Cable</b>						
<i>Extra-Flexible 24 AWG Stranded</i>						
CT504HD	Neutrik® etherCON® (2) NE8MC-B-1 or (2) RJ45 with Rubber Boot	5', 10', 25', 35', 50', 100', 150'	Black	ISO/IEC 11801 Cat 5e Patch Cable	GTN1-0-(length)-xxx	
<b>Category 5e Tactical Cable</b>						
<i>Low-Loss 24 AWG Solid</i>						
CT504HDX	Neutrik® etherCON® (2) NE8MC-B-1 or (2) RJ45 with Rubber Boot	5', 10', 25', 35', 50', 100', 150'	Black	Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801	GTN2-0-(length)-xxx	
<b>2-Channel Category 5e Tactical Snake</b>						
<i>Low-Loss 24 AWG Solid</i>						
CTS2504HDX	Neutrik® etherCON® (4) NE8MC-B-1 or (4) RJ45 with Rubber Boot	Custom Only	Black	Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801	GTN7-0-(length)-xxx	
<b>4-Channel Category 5e Tactical Snake</b>						
<i>Low-Loss 24 AWG Solid</i>						
CTS4504HDX	Neutrik® etherCON® (8) NE8MC-B-1 or (8) RJ45 with Rubber Boot	Custom Only	Black	Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801	GTN4-0-(length)-xxx	

**Part # Code**      xxx = RJB suffix designates RJ45 with Rubber Boot.  
 No suffix designates standard etherCON® connectors.  
 Custom configurations (mixed RJ45/Boot and etherCON®) also available.