

Heavy-Duty Tactical Cat5E Cable: Low-loss Solid

Features & Benefits

- Durable TPE Outer Jacket
- Flexible
- Unique Inner Belt Maintains Electrical Characteristics in Portable Applications
- Meets or Exceeds ISO/IEC and TIA Standards for Cat5e Cable
- 24AWG Solid Conductors
- 350MHz Bandwidth
- Terminates with Neutrik EtherCon Connectors

Applications

- Ethernet Network Patching
- For Portable Use or Remote Environments

Heavy-duty tactical Category 5E 350MHz cable for portable or remote patching of Ethernet networks or digital audio/video formats that utilize CAT5E type interconnects. The CT504HDX features the same double jacket construction as the original CT504HD for exceptional durability, but with solid conductors for lower attenuation that allows for the full recommended TIA distances for Cat5E network cable. The inner jacket maintains the proper physical spacing between pairs to achieve the ISO/IEC or TIA Cat5e specifications, while the durable TPE outer jacket protects the cable from physical damage or abuse. The CT504HDX is intended for use with Neutrik EtherCon connectors and is also available from Gepco as pre-terminated cable assemblies.



Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Insulation	Pair Color Code	Inner Jacket (type, OD)	Outer Jacket (type, OD)	UL Type	Weight
CT504HDX	4	.245"	24 AWG Solid BC	PE	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White Brown & Brown	Clear TPE, .190"	Black TPE, .245"	AWM Style 21144	26 lbs/Mft

Electrical Specifications

DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop.	Standards											
28.6 Ω	5%	17 pF/ft	100 Ω	45 ns/100m	69%	Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801											
	Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	360
	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	28.1	32.4	36.9	41.0	44.9
	PSNEXT (dB)	64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3	29.5	27.8	26.3	25.2	24.2
	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	1.4	-4.6	-10.6	-15.8	-20.7
	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	16.9	14.7	12.8	11.2	9.9
	RL (dB)	---	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3	16.8	16.3

