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Pro-Audio, Video & Data Cable

## NETWORK & CONTROL CABLE

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### Four-channel Heavy-duty Tactical Cat5e Snake



Unique four-channel, heavy-duty Cat5e snake ideal for applications that require multiple or redundant channels of Cat5e cables in remote production or staging applications. The CTS4504HDX consists of four elements of Gepco's CT504HDX heavy-duty, fourpair Cat5e UTP cables under an overall jacket. Each element features 24 gage, solid copper conductors and a unique inner belt that preserves the critical pair spacing and geometry. For added strength and diameter, each four-pair UTP element has a second TPE jacket which is color coded for easy identification. The outer jacket is also constructed from a rugged TPE compound for exceptional durability and flexibility in hostile environments. Each Cat5e four-pair UTP element can be terminated with either standard Cat5 RJ45 connectors or the ruggedized Neutrik EtherCon® connectors.

#### FEATURES & BENEFITS

- Unique Four-channel Cat5e Snake
- Exceptionally Durable
- Flexible TPE Outer Jacket
- Double Jacketed Cat5e Elements
- Meets or Exceeds ISO/IEC & TIA Standards for Cat5e Cable
- Solid 24 Gage Conductors
- Terminates with Neutrik EtherCon® Connectors

#### APPLICATIONS

- Ethernet Network Patching
- For Portable Use or Remote Environments

#### Mechanical Specifications

| Part #     | # of Cat 5 Elements | Outer (Master) Jacket (Type, OD) | Conductors      | Insul. | Pair Color Code  | Cat5e Element Inner Jacket (Type, OD) | Cat5e Element Outer Jacket (Type, OD) | Weight      |
|------------|---------------------|----------------------------------|-----------------|--------|--|---------------------------------------|---------------------------------------|-------------|
| CTS4504HDX | 4 (4 pair UTP)      | Black TPE, .650"                 | 24 AWG Solid BC | PE     | White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown | Clear TPE, .190"                      | Black, Gray, Blue & Purple TPE, .245" | 200 lbs/Mft |

#### Electrical Specifications

| DCR Max | DCR Unbal. Max | Mutual Capac. Max | Char. Impedance | Prop. Delay (Skew) Max | Vel. of Prop. (Non-plenum, Plenum) | Standards   |          |          |          |           |           |           |           |              |             |            |  |  |  |  |  |  |  |  |
|---------|----------------|-------------------|-----------------|------------------------|------------------------------------|---|----------|----------|----------|-----------|-----------|-----------|-----------|--------------|-------------|------------|--|--|--|--|--|--|--|--|
|         |                |                   |                 |                        |                                    | Meets or Exceeds TIA/EIA-568-B.2 Cat5e, ISO/IEC 11801 |          |          |          |           |           |           |           |              |             |            |  |  |  |  |  |  |  |  |
|         |                | 5%                | 17 pF/ft        | 100 Ω                  | 45 ns/100m                         | 69%   |          |          |          |           |           |           |           |              |             |            |  |  |  |  |  |  |  |  |
| 28.6 Ω  |                |                   |                 |                        | <b>Freq. (MHz)</b>                 | <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> |  |  |  |  |  |  |  |  |
|         |                |                   |                 |                        | <b>Insertion Loss (dB/100m)</b>    | 1.8   | 2.0      | 4.1      | 5.8      | 6.5       | 8.2       | 9.3       | 10.4      | 11.7         | 17.0        | 22.0       |  |  |  |  |  |  |  |  |
|         |                |                   |                 |                        | <b>PSNEXT (dB)</b>                 | 64.0  | 62.3     | 53.3     | 48.8     | 47.3      | 44.3      | 42.8      | 41.3      | 39.9         | 35.4        | 32.3       |  |  |  |  |  |  |  |  |
|         |                |                   |                 |                        | <b>PSACR (dB/100m)</b>             | 62.2  | 60.3     | 49.2     | 43.0     | 40.8      | 36.1      | 33.5      | 30.9      | 28.2         | 18.4        | 10.3       |  |  |  |  |  |  |  |  |
|         |                |                   |                 |                        | <b>PSELFEXT (dB/100m)</b>          | 63.0  | 60.8     | 48.7     | 42.7     | 40.8      | 36.7      | 34.7      | 32.8      | 30.9         | 24.8        | 20.8       |  |  |  |  |  |  |  |  |
|         |                |                   |                 | <b>RL (dB)</b>         | ---                                | 20.0  | 23.0     | 24.5     | 25.0     | 25.0      | 25.0      | 24.3      | 23.6      | 21.5         | 20.1        |            |  |  |  |  |  |  |  |  |

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