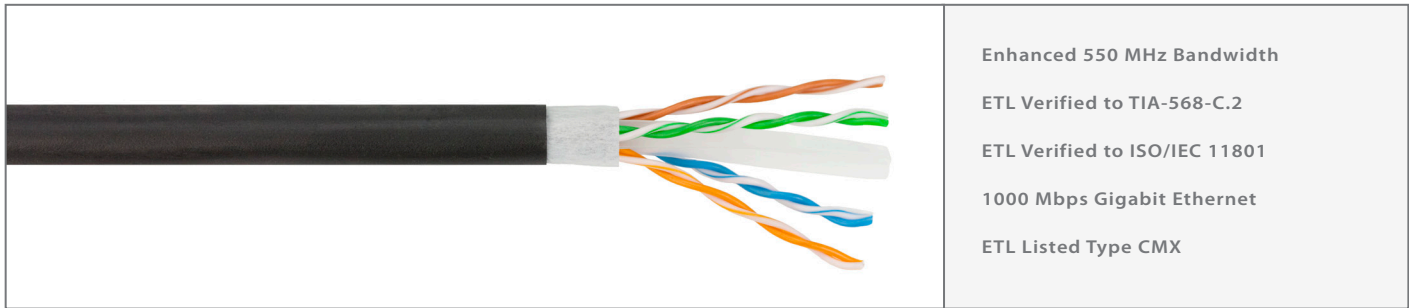


## CN423C6DB

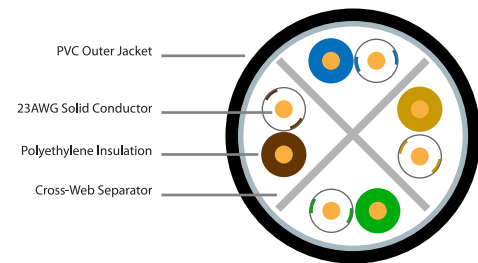
### Direct Burial Category 6 550MHz Enhanced UTP Cable



Part Number: **CN423C6DB**  
Description: Direct Burial Category 6 550MHz Enhanced UTP Cable

#### Materials & Dimensions

|                       |  |
|-----------------------|--|
| Conductors            | (8) 23AWG Solid BC (Configured as 4 Pairs)   |
| Insulation            | Polyethylene, .009" wall   |
| Insulation Color Code | Pair 1: Blue & White w/ Blue Stripe<br>Pair 2: Orange & White w/ Orange Stripe<br>Pair 3: Green & White w/ Green Stripe<br>Pair 4: Brown & White w/ Brown Stripe |
| Separator             | Cross-Web PVC  |
| Jacket                | Polyethylene   |
| Overall Diameter      | .244"  |



#### Performance Characteristics

| DCR         | DCR Unbalance | Characteristic Impedance | Skew              | Capacitance  | Operating Temperature | Weight     | Agency Listing                                   |
|-------------|---------------|--------------------------|-------------------|--|-----------------------|------------|--|
| 9.38 Ω/100m | 5%            | 100Ω (+/- 15)            | 45 ms/100m (max.) | 5.6 nF/100m (mutual)<br>330 pF/100m (pair-to-pair ground unbalanced) | -40°C to 75°C         | 30 lbs/Mft | (ETL) CMX<br>C(ETL) CMX<br>ETL Listed & Verified |

| Frequency (MHz) | 1            | 4     | 10    | 16    | 20    | 25    | 31.25 | 62.5  | 100   | 200   | 250   | 350   | 550   |       |
|-----------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Insertion Loss  | max. dB/100m | 2.0   | 3.8   | 5.9   | 7.5   | 8.5   | 9.5   | 10.7  | 15.4  | 19.8  | 29.0  | 32.9  | 39.8  | 51.8  |
| Return Loss     | min. dB/100m | 20.0  | 23.0  | 25.0  | 25.0  | 25.0  | 24.3  | 23.6  | 21.5  | 20.1  | 18.0  | 17.3  | 16.3  | 14.9  |
| NEXT            | min. dB/100m | 74.3  | 65.3  | 59.3  | 56.3  | 54.8  | 53.3  | 51.9  | 47.4  | 44.3  | 39.8  | 38.3  | 36.2  | 33.2  |
| PS-NEXT         | min. dB/100m | 72.3  | 63.3  | 57.3  | 54.3  | 52.8  | 51.3  | 49.9  | 45.4  | 51.3  | 38.8  | 36.3  | 34.4  | 31.2  |
| ELFEXT          | min. dB/100m | 67.8  | 55.8  | 47.8  | 43.7  | 41.8  | 39.8  | 37.9  | 31.9  | 27.8  | 21.8  | 19.8  | 16.9  | 13.0  |
| PS-ELFEXT       | min. dB/100m | 64.8  | 52.8  | 44.8  | 40.7  | 38.8  | 36.8  | 34.9  | 28.9  | 24.8  | 18.8  | 16.8  | 13.9  | 10.0  |
| ACR             | min. dB/100m | 72.7  | 61.4  | 53.4  | 48.7  | 46.3  | 43.8  | 41.2  | 32.0  | 24.5  | 10.8  | 5.5   | -3.7  | -18.6 |
| Delay           | max. ns/100m | 570.0 | 552.0 | 545.4 | 543.0 | 542.0 | 541.2 | 540.5 | 538.6 | 537.6 | 536.6 | 536.3 | 535.9 | 535.5 |