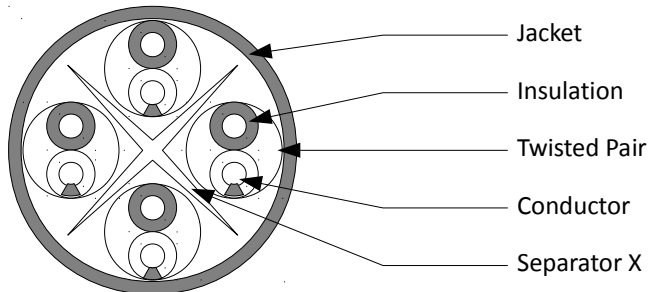


### Construction Detail



### Description

High-performance 550MHz cable for high bandwidth applications

|                                |   |
|--------------------------------|---|
| Applications                   | Voice, data, video distribution, security |
| Ethernet                       | 10BASE-T, 100BASE-TX, 1000BASE-T          |
| Rated Temperature (°C)         | 75  |
| Product Standard Certification | UL CM & CSA CMG                           |
| Flame Test                     | FT4                                       |
| Reference Standard             | UL 444                                    |

### Performance Characteristics

#### Electrical (20°C)

|                                     |      |
|-------------------------------------|------|
| Max. Conductor DC Resistance (Ω/km) | 72   |
| Min. Insulation Resistance (Ω-km)   | 100M |
| Dielectric Strength (AC V/1 Min)    | 500  |
| Impedance (±15Ω)                    | 100  |

#### Mechanical

|  |       |
|--|-------|
| Jacket   | PVC   |
| Before Tensile Strength (kgf/mm <sup>2</sup> ) | ≥1.05 |

### Twisted Pair & Insulation Colours

|    |        |   |              |
|----|--------|---|--------------|
| P1 | Blue   | & | White/Blue   |
| P2 | Orange | & | White/Orange |
| P3 | Green  | & | White/Green  |
| P4 | Brown  | & | White/Brown  |

### Physical Construction

|                             |                      |
|-----------------------------|----------------------|
| <b>Conductor</b>            | 4 pairs solid copper |
| Size (AWG)                  | 23                   |
| Construction (±0.01mm)      | 1/0.58               |
| Solid Dia. (±0.01mm)        | 0.58                 |
| <b>Insulation</b>           | HD PE                |
| Average Thickness (mm)      | 0.22                 |
| Insulation dia. (±0.05mm)   | 1.03                 |
| <b>Jacket</b>               | PVC                  |
| Average Thickness (±0.05mm) | 0.59                 |
| Outer Dia. (±0.2mm)         | 5.95                 |

### Jacket Marking

Legend: [WXYZ]FT => Length in Spool (e.g., 0100ft)  
 [SPACE] => Three spaces

E132276-A (UL) CM 75°C 4PR 23AWG [SPACE]  
 CSA LL64151-A CMG 75°C FT4 [SPACE]  
 ETL&3P VERIFIED TO ANSI/TIA-568-C.2 ISO/IEC 11801&EN  
 50173 CAT.6 PATCH CABLE - - - UTP RoHS [WXYZ]FT TESTED  
 TO 550MHz