

**Cable**  
**UTP Cables**  
**NEXTSPEED® Category 6 UTP Cable**

# HUBBELL

**Features**

- Sweep Tested from 1-550 MHz
- Guaranteed Headroom Over TIA and ISO Category 6
- Reverse Sequential Numbering
- Backward Compatible to Category 5e, 5 and 3

**Ordering Information**

| Description   | Color | Catalog Number | UPC Number   |
|---|-------|----------------|--------------|
| NEXTSPEED® Category 6, 4-Pair, UTP Cable, Riser, Reelex | Green | C6RRGN         | 662620201511 |

**Listings**

ANSI/TIA/EIA-568-C.2 (Category 6 Component)  
 UL Listed and Tested  
 NEC Article 800 Compliant  
 UL Verified Performance

**Specifications**

|                    |                            |
|--------------------|----------------------------|
| Wire               | 23 AWG Bare Solid Copper   |
| Primary Insulation | CMP: FEP                   |
| Primary Insulation | CMR: Polyolefin            |
| Cabling            | 4 Unshielded Twisted Pairs |
| Outer Jacket       | Low Smoke PVC              |
| Inner Jacket       | PVC                        |

**Performance**

Verifications IEEE 802.3af (PoE)

**Applications**

Data Centers: Multi Gigabit Between Devices  
 PoE Applications  
 Bandwidth Intense Processing

**Accessories**

|                                   |                                  |
|-----------------------------------|----------------------------------|
| NEXTSPEED Jacks, Category 6       | <b>HXJ6B</b>                     |
| NEXTSPEED Patch Panel, Category 6 | <b>P6Exx (xx=Ports)</b>          |
| NEXTSPEED Patch Cords, Category 6 | <b>PCXB* (*=Standard Length)</b> |

**TRANSMISSION SPECIFICATIONS - Worst Case**

TIA/EIA-568-C.2 Category 6 Compliant;  
 ISO/IEC 11801, 2nd ed. Category 6 Compliant

| Freq. (MHz) | Ins. loss (dB/100m) | NEXT (dB/100m) | PSNEXT (dB/100m) | ACR (dB) | PSACR (dB) | ELFEXT (dB) | PSELFEXT (dB) | Return loss (dB) |
|-------------|---------------------|----------------|------------------|----------|------------|-------------|---------------|------------------|
| 1           | 2.0                 | 77.5           | 75.4             | 75.4     | 73.4       | 71.0        | 68.0          | 20.2             |
| 4           | 3.7                 | 68.4           | 66.4             | 64.6     | 62.6       | 59.0        | 56.0          | 23.2             |
| 8           | 5.3                 | 63.9           | 61.9             | 58.6     | 56.6       | 52.9        | 49.9          | 24.7             |
| 10          | 5.9                 | 62.5           | 60.4             | 56.4     | 54.4       | 51.0        | 48.0          | 25.2             |
| 16          | 7.5                 | 60.0           | 57.3             | 51.7     | 49.7       | 46.9        | 43.9          | 25.2             |
| 31.25       | 10.6                | 55.1           | 53.1             | 44.3     | 42.3       | 41.1        | 38.1          | 23.8             |
| 62.5        | 15.3                | 50.7           | 48.6             | 35.1     | 33.1       | 35.1        | 32.1          | 21.7             |
| 100         | 19.7                | 47.4           | 45.4             | 25.6     | 25.6       | 31.0        | 28.0          | 20.3             |
| 200         | 28.9                | 42.9           | 40.9             | 13.9     | 11.9       | 25.0        | 22.0          | 18.2             |
| 250         | 32.7                | 41.4           | 39.4             | 8.6      | 6.5        | 23.0        | 20.0          | 17.5             |
| 350*        | 39.9                | 39.2           | 37.3             | -        | -          | 20.1        | 17.1          | 16.5             |
| 400*        | 42.9                | 39.5           | 36.4             | -        | -          | 19.0        | 15.9          | 15.8             |
| 500*        | 48.8                | 36.9           | 35.0             | -        | -          | 16.9        | 13.9          | 15.1             |

\* Frequencies beyond the TIA and ISO requirements are for information only.

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