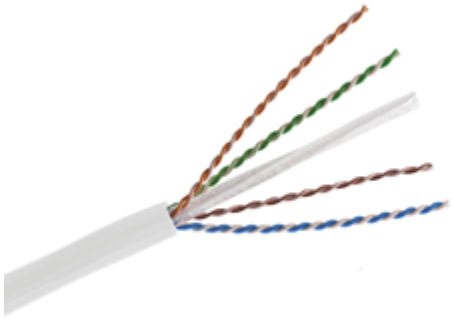
Cable
UTP Cables
# NEXTSPEED®Ascent Category 10GbE Cable

HUBBELL

## Features

- 10GbE Application Assurance
- Maximum Bandwidth Beyond 750MHz
- Component Compliant ANEXT Performance
- PoE and PoE+ Ready



## Ordering Information

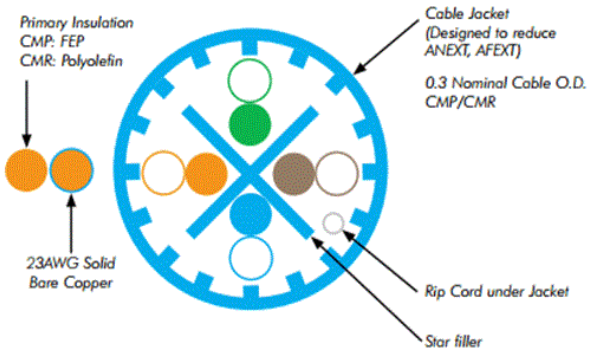
| Description | Color | Catalog Number | UPC Number |
|---|---|---|---|
| NEXTSPEED®Ascent 10GbE, 4-Pair, UTP Cable, Plenum Spool | White | **C6ASPW** | 662620201931 |

## Listings

TIA-568-C.2 (Category 6A Component)
NEC Article 800 Compliant
UL Listed and Tested

## 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), IEEE 802.3at (PoE+), and IEEE 802.3bt (4PPPoE)<br>Exceeds IEEE 802.3an 10GBASE-T Link Segment Requirements |

## Applications

Data Centers 10GbE Between Devices
High-Performance Cable Applications
PoE Applications

## Accessories

| | |
|---|---|
| NEXTSPEED Ascent 10GbE Jacks | **HJ6AW** |
| NEXTSPEED Ascent 10GbE Patch Panels | **HP6App (pp=Ports)** |
| NEXTSPEED Ascent 10GbE Patch Cords | **HC6AWyy (yy=Standard Length)** |

**TRANSMISSION SPECIFICATIONS, Worst Case 100 meter Channel Configuration**

TIA-568-B.2-10 Category 6A Compliant
ISO/IEC 11801, 2nd Ed. Category 6A Compliant

| Freq. (MHz) | Insertion Loss (dB/100m) | NEXT Loss Min. (dB/100m) | PSNEXT Loss Min. (dB/100m) | ELFEXT Min. (dB/100m) | PSELFEXT Min. (dB/100m) | Return Loss Min. (dB/100m) | Delay Max. (ns/100m) |
|---|---|---|---|---|---|---|---|
| 0.772 | - | 84.0 | 82.0 | 78.0 | 75.0 | - | - |
| 1.0 | 2.0 | 82.3 | 80.3 | 75.8 | 72.8 | 20.0 | 570 |
| 4.0 | 3.7 | 73.3 | 71.3 | 63.8 | 60.8 | 23.0 | 552 |
| 8.0 | 5.2 | 68.8 | 66.8 | 57.7 | 54.7 | 24.5 | 547 |
| 10.0 | 5.8 | 67.3 | 65.3 | 55.8 | 52.8 | 25.0 | 545 |
| 16.0 | 7.3 | 64.2 | 62.2 | 51.7 | 48.7 | 25.0 | 543 |
| 20.0 | 8.2 | 62.8 | 60.8 | 49.8 | 46.8 | 25.0 | 542 |
| 25.0 | 9.2 | 61.3 | 59.3 | 47.8 | 44.8 | 24.3 | 541 |
| 31.25 | 10.4 | 59.9 | 57.9 | 45.9 | 42.9 | 23.6 | 540 |
| 62.5 | 14.9 | 55.4 | 53.4 | 39.9 | 36.9 | 21.5 | 539 |
| 100.0 | 19.2 | 52.3 | 50.3 | 35.8 | 32.8 | 20.1 | 538 |
| 200.0 | 28.1 | 47.8 | 45.8 | 29.8 | 26.8 | 18.0 | 537 |
| 300.0 | 35.3 | 45.1 | 43.1 | 26.3 | 23.3 | 16.8 | 536 |
| 400.0 | 41.7 | 43.3 | 41.3 | 23.8 | 20.8 | 15.9 | 536 |
| 500.0 | 47.5 | 41.8 | 39.8 | 21.8 | 18.8 | 15.2 | 536 |