

# Utility Grade Infrastructure Solutions

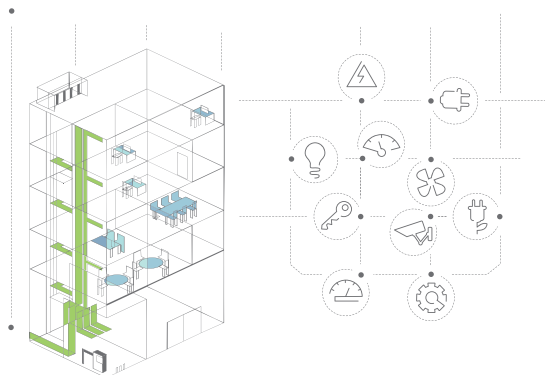
## PRODUCT BULLETIN

### Product Overview

Belden's UTG solutions provide a common infrastructure platform optimized for operational technology and high-performance applications.

Full-channel solutions include UTG-rated plenum cabling, RJ-45 jacks and plugs and patch cords.

### Support more technologies with one cable.



### Field Test and Certification

UTG-certified installers will have the ability to field test and certify to UTG-specific performance characteristics using test equipment from Fluke Networks.

Learn More at  
[www.belden.com/utility-grade-solutions](http://www.belden.com/utility-grade-solutions)

### Key Features

#### UTG10 Cables

- Low insertion loss creates improved signals
- Patented separator tape provides excellent signal to noise ratios

#### UTG20 Cables

- Exceeds TIA 100m
- Highest available power rating: full 100 m reach at full 100W PoE load

#### Connectivity Solutions

- Reliable, easy and versatile RJ-45 connectivity offers the easiest and fastest termination on the market
- Industry-leading patch cords feature patented Bonded-Pair technology to support high performance under physical stress

### Benefits

#### Efficient Powering

Belden's UTG-rated solutions bring power and data connections straight to monitors, cameras and other devices through Power over Ethernet (PoE), which delivers up to 100W through Ethernet cable to devices.

#### Productivity

Supporting many applications and technologies simultaneously, Belden's UTG-rated solutions allow people and devices on the network to complete jobs quickly and efficiently, without delays or bottlenecks.

#### Reliability

Providing the reassurance of constant uptime, Belden's UTG-rated solutions allow business processes to continue, maximizing revenue and productivity as high as possible.

## UTG Performance

UTG-rated cabling solutions are tested and verified by UL to exceed category performance in a number of areas.

Key Performance Characteristics	UTG10	UTG20
Extended transmission distances	10Gbps @ 37m	10GBps @ 100m
Higher bandwidth capabilities	450 MHz (Exceeds UTG min. 425 MHz)	650 MHz (Exceeds UTG min. 625 MHz)
Higher frames per second (FPS) and lower compression	150m	150m
Bundling sizes maximum for PoE applications	72 cables	150 cables
4K UHD streaming at extended distances	80m	100m
Next-generation Wi-Fi technology	802.11ac and 802.11ax at 37m	802.11ac and 802.11ax at 100m



### UTG10 Solution

Product Details	Belden Part Number
UTG10 Premise Horizontal Cable, 4PR U/UTP, CMP, 23 AWG Solid Conductors, Blue Jacket, 1000ft	UTG1CUP D15U1000
UTG10 Premise Horizontal Cable, 4PR U/UTP, CMP, 23 AWG Solid Conductors, Gray Jacket, 1000ft	UTG1CUP 008U1000
UTG10 Premise Horizontal Cable, 4PR U/UTP, CMR, 23 AWG Solid Conductors, White Jacket, 1000ft	UTG1CUP 009U1000
UTG10 Premise Horizontal Cable, 4PR U/UTP, CMR, 23 AWG Solid Conductors, Black Jacket, 1000ft	UTG1CUP 010U1000
UTG10 REVConnect Jack Blue, UTP T568 A/B, Single Pack	UTG10RVJUBL-S1
UTG10 REVConnect Jack Electric White, UTP T568 A/B, Single Pack	UTG10RVJUEW-S1
UTG10 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, Blue Jacket, 5ft	UTG10PCUP06005
UTG10 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, Blue Jacket, 7ft	UTG10PCUP06007
UTG10 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, White Jacket, 5ft	UTG10PCUP09005
UTG10 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, White Jacket, 7ft	UTG10PCUP09007

## Flex Force Rating

Each UTG-rated cable will include a Flex Force rating based on a range of ounce-feet, highlighting the ease of handling for pulling, installing and terminating.

### Belden's Flex Force Rating

- UTG10: Flex Force 1
- UTG20: Flex Force 3

### UTG Flex Force Table

Flex Force Rating	FLEX FORCE 3 46-60 oz-ft	FLEX FORCE 2 31-45 oz-ft	FLEX FORCE 1 16-30 oz-ft
Craft Friendliness	Good	Better	Best



### UTG20 Solution

Product Details	Belden Part Number
UTG20 Premise Horizontal Cable, 4PR U/UTP, CMP, 23 AWG Solid Conductors, Blue Jacket, 1000ft	UTG2CUP D15U1000
UTG20 Premise Horizontal Cable, 4PR U/UTP, CMP, 23 AWG Solid Conductors, Gray Jacket, 1000ft	UTG2CUP 008U1000
UTG20 Premise Horizontal Cable, 4PR U/UTP, CMR, 23 AWG Solid Conductors, White Jacket, 1000ft	UTG2CUP 009U1000
UTG20 Premise Horizontal Cable, 4PR U/UTP, CMR, 23 AWG Solid Conductors, Black Jacket, 1000ft	UTG2CUP 010U1000
UTG20 REVConnect Jack Blue, UTP T568 A/B, Single Pack	UTG20RVJUBL-S1
UTG20 REVConnect Jack Electric White, UTP T568 A/B, Single Pack	UTG20RVJUBK-S1
UTG20 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, Blue Jacket, 5ft	UTG20PCUP06005
UTG20 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, Blue Jacket, 7ft	UTG20PCUP06007
UTG20 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, White Jacket, 5ft	UTG20PCUP09005
UTG20 Patch Cord, Bonded-Pair UTP, T568A/B, CMR, White Jacket, 7ft	UTG20PCUP09007



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