

Utility Grade (UTG) Solutions Brief

The Utility Grade INFRASTRUCTURESM program has been developed alongside world-class global technology alliance partners. These UTG-rated components from CommScope enable you to support the rapid evolution of technology in today's building environments.



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. Contact your local CommScope representative for more information.

Product overview

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

Full-channel solutions include UTG-rated plenum cabling, RJ45 patch panels, information outlets and patch cords.

UTG performance

UTG-rated cabling solutions are tested and verified by UL to exceed category performance in a number of areas. Full UTG performance requirements are outlined in the UTG Technical Application Guide.

Key performance characteristics of UTG-rated CommScope solutions include:

Extended transmission distances

- UTG10: 10Mbps @ 185m
- UTG20: 10Mbps @ 185m
- UTG10: 10Gbps @ 50m
- UTG20: 10Gbps @ 100m

Higher bandwidth capabilities

- UTG10: 450 MHz (Exceeds UTG min. 425 MHz)
- UTG20: 500 MHz

Higher frames per second (FPS) and lower compression

- UTG10: 150m
- UTG20: 150m

Bundling sizes for more PoE applications

- UTG10: 90 cables
- UTG20: 150 cables

4K UHD streaming at extended distances

- UTG10: 100m
- UTG20: 100m

Next-generation Wi-Fi technology

- UTG10: 802.11ac and 802.11ax at 50m
- UTG20: 802.11ac and 802.11ax at 100m

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. See the UTG Technical Application Guide for more information.

CommScope's Flex Force Rating

- UTG10: Flex Force 2
- UTG20: Flex Force 3

Flex Force Testing	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

CommScope PN	Description
2091B-UTGBLU-W1	UTG20 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, BLUE JACKET, 1000 FT
2091B-UTGWHT-W1	UTG20 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, WHITE JACKET, 1000 FT
2091B-UTGSLT-W1	UTG20 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, SLATE JACKET, 1000 FT
2091B-UTGBLK-W1	UTG20 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, BLACK JACKET, 1000 FT
MGS600-318	UTG20 MODULAR JACK, BLUE
MGS600-262	UTG20 MODULAR JACK, WHITE
CPCSSX2-02F005	UTG20 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 5 FT
CPCSSX2-02F007	UTG20 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 5 FT
CPCSSX2-08F005	UTG20 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 5 FT
CPCSSX2-08F007	UTG20 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 5 FT



UTG10 SOLUTION

CommScope PN	Description
2071E-UTGBLU-W1	UTG10 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, BLUE JACKET, 1000 FT
2071E-UTGWHT-W1	UTG10 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, WHITE JACKET, 1000 FT
2071E-UTGSLT-W1	UTG10 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, SLATE JACKET, 1000 FT
2071E-UTGBLK-W1	UTG10 PREMISE HORIZONTAL CABLE, 4PR U/UTP, CMP, 23 AWG SOLID CONDUCTORS, BLACK JACKET, 1000 FT
MGS400-318	UTG10 MODULAR JACK, BLUE
MGS400-262	UTG10 MODULAR JACK, WHITE
CPC3312-02F005	UTG10 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 5 FT
CPC3312-02F007	UTG10 PATCHCORD, UTP, T568A/B, CMR, BLUE JACKET, 7 FT
CPC3312-08F005	UTG10 PATCHCORD, UTP, T568A/B, CMR, WHITE JACKET, 5 FT
CPC3312-08F007	UTG10 PATCHCORD, UTP, T568A/B, CMR, WHITE JACKET, 7 FT



Note: Additional jacket colors and patch cord lengths available.

commscope.com

Visit our website or contact your local CommScope representative for more information.

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