

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, non-plenum and LSZH 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 and backed by CommScope's 25-year assurance warranty. 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 @ 37m
- UTG20: 10Gbps @ 100m

Higher bandwidth capabilities

- UTG10: 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	Product Number	Description
UTG760250788	1091B-UTG BLU C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, CMR, blue, 1000 ft box
UTG760250789	1091B-UTG WHT C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, CMR, white, 1000 ft box
UTG760245113	2091B-UTG BLU C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, CMP, blue, 1000 ft box
UTG760245130	2091B-UTG WHT C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, CMP, white, 1000 ft box
UTG760250732	3091B-UTG SLT C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, LSZH, slate, 1000 ft box
UTG760250731	3091B-UTG WHT C6A 4/23 U/UTP W1000	UTG Cat 6A U/UTP cable, LSZH,white, 1000 ft box
760092452	MGS600 OUTLET-BLUE	MGS600 Series Outlet, Cat 6A, blue
760092429	MGS600 OUTLET-WHITE	MGS600 Series Outlet, Cat 6A, white
CPCSSX2-02F005	360GS10E-LB-5FT	GigaSPEED X10D patch cord, light blue, 5 feet
CPCSSX2-02F007	360GS10E-LB-7FT	GigaSPEED X10D patch cord, light blue, 7 feet
CPCSSX2-08F005	360GS10E-WH-5FT	GigaSPEED X10D patch cord, white, 5 feet
CPCSSX2-08F007	360GS10E-WH-7FT	GigaSPEED X10D patch cord, white, 7 feet



UTG10 SOLUTION		
CommScope PN	Product Number	Description
UTG760250766	1071E-UTG BLU C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, CMR, blue, 1000 ft box
UTG760250767	1071E-UTG WHT C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, CMR, white, 1000 ft box
UTG760245085	2071E-UTG BLU C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, CMP, blue, 1000 ft box
UTG760245103	2071E-UTG WHT C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, CMP, white, 1000 ft box
UTG760250748	3071E-UTG SLT C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, LSZH, slate, 1000 ft box
UTG760250747	3071E-UTG WHT C6 4/23 U/UTP W1000	UTG Cat 6 U/UTP cable, LSZH, white, 1000 ft box
700206758	MGS400 BLUE OUTLET	MGS600 Series Outlet, Cat 6, blue
700206725	MGS400 WHITE OUTLET	MGS600 Series Outlet, Cat 6, white
CPC3312-02F005	GS8E-LB-5FT	GigaSPEED XL patch cord, light blue, 5 feet
CPC3312-02F007	GS8E-LB-7FT	GigaSPEED XL patch cord, light blue, 7 feet
CPC3312-08F005	GS8E-WH-5FT	GigaSPEED XL patch cord, white, 5 feet
CPC3312-08F007	GS8E-WH-7FT	GigaSPEED XL patch cord, white, 7 feet



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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