Utility Grade (UTG) Solutions Brief

The Utility Grade INFRASTRUCTURE™ 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.

**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

For performance specifications, refer to the SYSTIMAX performance specifications volume 1.
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

<table>
<thead>
<tr>
<th>Flex Force Rating</th>
<th>FLEX FORCE 3</th>
<th>FLEX FORCE 2</th>
<th>FLEX FORCE 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTG760250776</td>
<td>1071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, blue, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, SLZH, slate, 1000 ft box</td>
</tr>
<tr>
<td>UTG760270767</td>
<td>1071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, white, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, white, 1000 ft box</td>
</tr>
<tr>
<td>UTG760245085</td>
<td>2071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, blue, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, white, 1000 ft box</td>
</tr>
<tr>
<td>UTG760245103</td>
<td>2071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, white, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, white, 1000 ft box</td>
</tr>
<tr>
<td>UTG760250748</td>
<td>3071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, blue, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, white, 1000 ft box</td>
</tr>
<tr>
<td>UTG760250747</td>
<td>3071E-UTG WHT C6A 4/23 U/UTP W1000</td>
<td>UTG Cat 6 U/UTP cable, CMR, white, 1000 ft box</td>
<td>UTG Cat 6 U/UTP cable, white, 1000 ft box</td>
</tr>
<tr>
<td>700206752</td>
<td>MG5400 WHITE OUTLET</td>
<td>MG5400 Series Outlet, Cat 6, blue</td>
<td>MG5400 Series Outlet, Cat 6, white</td>
</tr>
<tr>
<td>700206755</td>
<td>GSBE-LB-5FT</td>
<td>GigaSPEED XL patch cord, light blue, 5 feet</td>
<td>GigaSPEED XL patch cord, light blue, 5 feet</td>
</tr>
<tr>
<td>700206756</td>
<td>GSBE-LB-7FT</td>
<td>GigaSPEED XL patch cord, light blue, 7 feet</td>
<td>GigaSPEED XL patch cord, light blue, 7 feet</td>
</tr>
<tr>
<td>700206757</td>
<td>GSBE-WH-5FT</td>
<td>GigaSPEED XL patch cord, blue, 5 feet</td>
<td>GigaSPEED XL patch cord, blue, 5 feet</td>
</tr>
<tr>
<td>700206758</td>
<td>GSBE-WH-7FT</td>
<td>GigaSPEED XL patch cord, blue, 7 feet</td>
<td>GigaSPEED XL patch cord, blue, 7 feet</td>
</tr>
</tbody>
</table>

Note: Additional jacket colors and patch cord lengths available.

commScope.com

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

© 2021 CommScope, Inc. All rights reserved.
INFRASTRUCTURE™ is registered by Anixter. All rights reserved.

Unless otherwise noted, all trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope, Inc. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is committed to the highest standards of business integrity and environmental sustainability with a number of CommScope’s facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001. Further information regarding CommScope’s commitment can be found at www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability.