



We build, connect, power and protect the world.

Copper



Utility Grade Infrastructure

The Utility Grade Infrastructure program (UTG) was developed alongside world-class technology partners with UL verification for extended distance and guaranteed results. These UTG-rated components from Panduit enable you to support the rapid evolution of technology in today's building environments.

Product Overview

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

Full-channel solutions include UTG-rated 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 Application Guide.

Key performance characteristics of UTG-rated Panduit solutions include:

Extended Transmission Distances

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

Higher Bandwidth Capabilities

- UTG10: 450 MHz
- UTG20: 650 MHz

Higher Frames Per Second (FPS) and Lower Compression

- UTG10: 150m
- UTG20: 150m

Bundling Sizes for More PoE Applications

- UTG10 and UTG20 cables are LP certified and exempt from cable bundle restrictions

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.

Panduit'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



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UTG20 Solution

Panduit PN	Anixter PN	Product Details
PUP6AHD04BU-UTG	CMP-423PAN-UTG20-06	UTG20 Vari-MaTriX HD UTP Copper Cable, 23 AWG, Plenum, blue jacket, 1000 ft
PUP6AHD04WH-UTG	CMP-423PAN-UTG20-01	UTG20 Vari-MaTriX HD UTP Copper Cable, 23 AWG, Plenum, white jacket, 1000 ft
PUR6AV04BU-UTG	CMR-423PAN-UTG20-06	UTG20 Vari-MaTriX UTP Copper Cable, 23 AWG, Riser, blue jacket, 1000 ft
PUR6AV04WH-UTG	CMR-423PAN-UTG20-01	UTG20 Vari-MaTriX UTP Copper Cable, 23 AWG, Riser, white jacket, 1000 ft
CJ6X88TGBU	307322	Mini-Com® UTP jack, Cat 6A, blue
CJ6X88TGWH	323290	Mini-Com® UTP jack, Cat 6A, white
FP6X88MTG	919478	Field Terminable Plug, Cat 6/6A, black
UTP6AX7BU	MM07-PA6AG4-06	Patch Cord, UTP, Cat 6A, blue jacket, 7 ft
UTP6AX10BU	MM10-PA6AG4-06	Patch Cord, UTP, Cat 6A, blue jacket, 10 ft
UTP6AX7	MM07-PA6AG4-01	Patch Cord, UTP, Cat 6A, white jacket, 7 ft
UTP6AX10	MM10-PA6AG4-01	Patch Cord, UTP, Cat 6A, white jacket, 10 ft

UTG10 Solution

Panduit PN	Anixter PN	Product Details
PUP6004BU-UTG	CMP-423PAN-UTG10U-06	UTG20 Vari-MaTriX HD UTP Copper Cable, 23 AWG, Plenum, blue jacket, 1000 ft
PUP6004WH-UTG	CMP-423PAN-UTG10U-01	UTG20 Vari-MaTriX HD UTP Copper Cable, 23 AWG, Plenum, white jacket, 1000 ft
PUR6004BU-UTG	CMR-423PAN-UTG10U-06	UTG20 Vari-MaTriX UTP Copper Cable, 23 AWG, Riser, blue jacket, 1000 ft
PUR6004WH-UTG	CMR-423PAN-UTG10U-01	UTG20 Vari-MaTriX UTP Copper Cable, 23 AWG, Riser, white jacket, 1000 ft
CJ688TGBU	311321	Mini-Com® UTP jack, Cat 6A, blue
CJ688TGWH	311329	Mini-Com® UTP jack, Cat 6A, white
FP6X88MTG	919478	Field Terminable Plug, Cat 6/6A, black
UTPSP7BUY	MM07-PA7P-06	Patch Cord, UTP, Cat 6A, blue jacket, 7 ft
UTPSP10BUY	MM10-PA7P-06	Patch Cord, UTP, Cat 6A, blue jacket, 10 ft
UTPSP7Y	MM07-PA7P-01	Patch Cord, UTP, Cat 6A, white jacket, 7 ft
UTPSP10Y	MM10-PA7P-01	Patch Cord, UTP, Cat 6A, white jacket, 10 ft



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