



## GigaSPEED® X10D F/UTP

SYSTIMAX® solutions

# Contents

---

<b>Introduction</b>	<b>3</b>
<b>SYSTIMAX® GigaSPEED® X10D® F/UTP channel performance</b>	<b>3</b>
<b>SYSTIMAX GigaSPEED X10D 91 series F/UTP cable</b>	<b>5</b>
<b>SYSTIMAX GigaSPEED X10D G10FP F/UTP modular patch cords</b>	<b>6</b>
<b>SYSTIMAX GigaSPEED X10D HGS620 shielded high-density information outlet</b>	<b>9</b>
<b>SYSTIMAX 360™ GigaSPEED X10D F/UTP modular panels</b>	<b>11</b>

---

# The SYSTIMAX® GigaSPEED® X10D® F/UTP solution

The SYSTIMAX® GigaSPEED® X10D® F/UTP Solution provides unprecedented performance for key parameters such as insertion loss and all forms of crosstalk, both within and between channels, yielding improved bandwidth, data throughput and network efficiency. The SYSTIMAX GigaSPEED X10D F/UTP Solution has been specifically engineered with enhanced cable and connector performance designed to support the latest 10 Gbps Ethernet requirements. Using patented technology and the scientific capabilities of CommScope Labs, this solution exhibits far superior channel performance than legacy F/UTP solutions, and innovative engineering techniques to meet the specific channel requirements of the ISO/IEC 11801 Class EA and ANSI/TIA-568-C.2 Category 6A standards. The SYSTIMAX GigaSPEED X10D F/UTP Solution delivers next-generation support by providing double the bandwidth of today's Category 6A cabling channel and guaranteed performance in worst case installation conditions out to 500 MHz.

## The GigaSPEED X10D F/UTP solution

Extending... the usable bandwidth of the enterprise

Extending... the peak performance of the enterprise

Extending... the technology of copper cabling

Extending... the value of the IT budget

Extending... the life of the enterprise cabling infrastructure

## SYSTIMAX GigaSPEED X10D F/UTP channel performance

The SYSTIMAX GigaSPEED X10D F/UTP cabling system is designed specifically to meet or exceed the latest ISO/IEC Class EA cabling specification. A major breakthrough of the SYSTIMAX GigaSPEED X10D F/UTP Solution over other legacy F/UTP solutions is vastly improved performance across the complete frequency spectrum from 1 to 500 MHz.

By utilizing the unique design tools available to CommScope Labs, the technologies implemented in the SYSTIMAX GigaSPEED X10D F/UTP Solution are capable of incorporating the F/UTP technology while maintaining pair balance without degrading the internal channel transmission performance. Superior crosstalk performance, improved insertion loss performance and guaranteed channel performance up to 500 MHz are the key enhancements that set the SYSTIMAX GigaSPEED X10D F/UTP Solution apart from other F/UTP solutions on the market today.

Guaranteed performance specifications for 4-connection GigaSPEED® X10D F/UTP channels<sup>1</sup>

Electrical parameter <sup>2</sup>	Guaranteed channel margins to ISO/IEC 11801 edition 2.1 "class EA" (1-500 MHz)
Insertion loss	3%
NEXT	1 dB
PSNEXT	2.5 dB
ACR-N	3 dB
PSACR-N	4 dB
ACR-F	6 dB
PSACR-F	8 dB
Return loss	> 0 dB
PSANEXT	15 dB
PSAACR-F	15 dB
Average PSANEXT	15 dB
Average PSAACR-F	15 dB

<sup>1</sup> GigaSPEED X10D shielded (F/UTP,S/FTP) channel is composed of 291B, 297B or 298A series cable with HGS620 outlets and GS10FP and GS10SF cords installed according to SYSTIMAX design and installation guidelines.

<sup>2</sup> Since channel coupling attenuation, TCL, ELTCTL, and resistance unbalance parameters are not measurable in the field, they are achieved by design using compliant components installed according to SYSTIMAX installation guidelines

## SYSTIMAX GigaSPEED X10D F/UTP performance specifications

Guaranteed channel performance specifications for 4-connection GigaSPEED X10D F/UTP systems

Freq (MHZ)	Insertion loss (dB)	PS ANEXT (dB)	Ave. PS ANEXT (dB)	PS ACR-F (dB)	Ave. PS ACR-F (dB)	NEXT (dB)	ACR-N (dB)	PS NEXT (dB)	PS ACR-N (dB)	ACR-F (dB)	PS ACR-F	Return loss (dB)	Delay (ns)	Delay skew (ns)
1	2.2	95.0	97.25	92.0	96.0	73.7	71.5	72.3	70.1	69.3	68.3	19.0	580	40
4	4.0	89.0	91.23	80.0	84.0	64.0	60.0	62.5	58.5	57.2	56.2	19.0	19.0	40
8	5.6	86.0	88.22	73.9	77.9	59.2	53.5	57.6	52.0	51.2	50.2	19.0	557	40
10	6.3	85.0	87.25	72.0	76.0	57.6	51.3	56.0	49.7	49.3	48.3	19.0	555	40
16	7.9	83.0	85.21	67.9	71.9	54.2	46.3	52.6	44.7	45.2	44.2	18.0	553	40
20	8.9	82.0	84.24	66.0	70.0	52.6	43.8	51.0	42.1	43.2	42.2	17.5	552	40
25	9.9	81.0	83.27	64.0	68.0	51.0	41.1	49.3	39.4	41.3	40.3	17.0	551	40
31.3	11.1	80.0	82.29	62.1	66.1	49.4	38.3	47.7	36.6	39.3	38.3	16.5	550	40
62.5	15.9	77.0	79.29	56.1	60.1	44.4	28.5	42.6	26.7	33.3	32.3	14.0	548	40
100	20.3	75.0	77.25	52.0	56.0	40.9	20.7	39.1	18.8	29.3	28.3	12.0	548	40
200	29.2	70.5	72.73	46.0	50.0	35.8	6.6	33.9	4.7	23.2	22.2	9.0	547	40
250	32.9	69.0	71.28	44.0	48.0	34.1	1.2	32.2	0.7	21.3	20.3	8.0	546	40
300	36.2	67.8	70.09	42.5	46.5	32.7	-3.5	30.8	-5.5	19.7	18.7	7.2	546	40
400	42.3	66.0	68.22	40.0	44.0	30.6	-11.8	28.6	-13.8	17.2	16.2	6.0	546	40
500	47.8	64.5	66.77	38.0	42.0	28.9	-18.9	26.8	-21.0	15.3	14.3	6.0	546	40

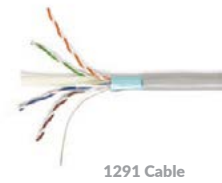
Note: The table provides reference values only. All parameters comply with the governing equations given above over the entire frequency range. All values and equations apply to worst-case channels utilizing four-pair 91B series cable/cordage with full cross-connects, consolidation points and work area outlets (four connections in a channel) for the length up to 100 meters.

The SYSTIMAX GigaSPEED X10D F/UTP Solution offers guaranteed channel performance to the above specifications for registered SYSTIMAX Network Infrastructure Solutions installations. Please contact your CommScope representative for a GigaSPEED X10D F/UTP Solution Guide and GigaSPEED X10D F/UTP Design and Installation Guidelines.

## SYSTIMAX GigaSPEED 91 series F/UTP cable

The SYSTIMAX GigaSPEED X10D F/UTP cabling system is designed specifically to meet or exceed the latest ISO/IEC Class EA cabling specification. A major breakthrough of the SYSTIMAX GigaSPEED X10D F/UTP Solution over other legacy F/UTP solutions is vastly improved performance across the complete frequency spectrum from 1 to 500 MHz. By utilizing the unique design tools available to CommScope Labs, the technologies implemented in the SYSTIMAX GigaSPEED X10D F/UTP Solution are capable of incorporating the F/UTP technology while maintaining pair balance without degrading the internal channel transmission performance.

Superior crosstalk performance, improved insertion loss performance and guaranteed channel performance up to 500 MHz are the key enhancements that set the SYSTIMAX GigaSPEED X10D F/UTP Solution apart from other F/UTP solutions on the market today.



### Features and benefits

- Electrical performance guaranteed to meet or exceed the channel specifications of Amendment 1 to ISO/IEC 11801:2002 Class EA, and ANSI/TIA-568-C.2 Category 6A up to 500 MHz when used as part of a GigaSPEED X10D F/UTP Channel in registered SYSTIMAX installations.
- Four-pair construction with aluminum foil tape and isolator center member provides extra margin of performance required for high-bandwidth applications.
- 1291 non-plenum cable is ETL listed as CMR and CMG. This cable is constructed with a single jacket.
- 2291 plenum cable is ETL listed as CMP. This cable is constructed with a single jacket.
- 3291 LSZH cable meets the requirements of IEC 60332-3. This cable is constructed with a single jacket.
- ETL listed—1291 riser rated CMR and CMG.
- IEC certified—3291 LSZH rated IEC 60332-3,
- Can support network line speeds up to at least 10 Gbps,
- Qualifies for the SYSTIMAX 20-Year Extended Product Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D F/UTP channel,

### Ordering information:

Material ID	Product number	Description
760081364	1291B BL 4/23 R1000	GigaSPEED X10D 1291B Category 6A F/UTP Non-Plenum Cable, blue jacket, 4 pair count, 1000 ft (305 m) length, reel
760081372	1291B GR 4/23 R1000	GigaSPEED X10D 1291B Category 6A F/UTP Non-Plenum Cable, gray jacket, 4 pair count, 1000 ft (305 m) length, reel
760081380	1291B OR 4/23 R1000	GigaSPEED X10D 1291B Category 6A F/UTP Non-Plenum Cable, orange jacket, 4 pair count, 1000 ft (305 m) length, reel
760081398	1291B SL 4/23 R1000	GigaSPEED X10D 1291B Category 6A F/UTP Non-Plenum Cable, slate jacket, 4 pair count, 1000 ft (305 m) length, reel
760081406	1291B WH 4/23 R1000	GigaSPEED X10D 1291B Category 6A F/UTP Non-Plenum Cable, white jacket, 4 pair count, 1000 ft (305 m) length, reel
760122630	2291B BL 4/23 R1000	GigaSPEED X10D 2291B Category 6A F/UTP Plenum Cable, blue jacket, 4 pair count, 1000 ft (305 m) length, reel
760122655	2291B SL 4/23 R1000	GigaSPEED X10D 2291B Category 6A F/UTP Plenum Cable, slate jacket, 4 pair count, 1000 ft (305 m) length, reel
760122648	2291B WH 4/23 R1000	GigaSPEED X10D 2291B Category 6A F/UTP Plenum Cable, white jacket, 4 pair count, 1000 ft (305 m) length, reel
760081323	3291B WH 4/23 R1000	GigaSPEED X10D 3291B Category 6A F/UTP Low Smoke Zero Halogen Cable, white jacket, 4 pair count, 1000 ft (305 m) length, reel

## SYSTIMAX GigaSPEED X10D G10FP F/UTP modular patch cords

SYSTIMAX GigaSPEED X10D G10FP F/UTP patch cords are for use at both ends of a SYSTIMAX® GigaSPEED® X10D F/UTP channel. Along with cable and patching hardware, CommScope Labs has characterized the performance of these cords in thousands of different channel configurations using the Modal Decomposition Modeling (MDM) tool. The high-performance G10FP modular patch cord family has a patented plug design featuring a distinctive metallized construction, low-profile rear housing and anti-snag latch for easy and rapid field identification. Through an innovative design, the G10FP plug exhibits dramatic reduction in performance variation. Together with high-precision manufacturing, this provides the electrical performance needed to deliver the SYSTIMAX GigaSPEED X10D F/UTP Solution.



G10FP translucent aqua sled

### Features and benefits

- Electrical performance guaranteed to meet or exceed the channel specification of Amendment 1 of ISO/IEC 11801 Class EA and ANSI/TIA-568-C.2 Category 6A up to 500 MHz when used as part of a GigaSPEED X10D F/UTP channel in registered SYSTIMAX installations
- Can support network line speeds up to at least 10 Gbps
- Certified component of an integrated GigaSPEED X10D F/UTP Solution
- Qualifies for the SYSTIMAX 20-Year Extended Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D F/UTP channel



G10FP patch cord

### GigaSPEED X10D G10FP modular patch cord

Material ID	Product number	Description (all solid conductor)	Jack color options	Cord color options	UOM	Cable/cordage length options
CPCGGJ2	G10FP	G10FP on 1295 Solid F/UTP Cordage	0	1,2,3,8,9	F, M	3-300 ft /1-100 m
CPCG4J2	G10FP117	G10FP Single-ended on 1295 Solid F/UTP Cordage	0	1,2,3,8,9	F, M	3-300 ft /1-100 m
CPCGGK2	G10FP-P	G10FP on 2295 Solid Plenum F/UTP Cordage	0	3,8,Z	F, M	3-300 ft /1-100 m
CPCG4K2	G10FP117-P	G10FP Single-ended on 2295 Solid Plenum F/UTP Cordage	0	3,8,Z	F, M	3-300 ft /1-100 m
CPCGGL2	G10FP-L	G10FP on 3295 Solid LSZH F/UTP Cordage	0	8	F, M	3-300 ft /1-100 m
CPCG4L2	G10FP117-L	G10FP Single-ended on 3295 Solid LSZH F/UTP Cordage	0	8	F, M	3-300 ft /1-100 m

Ordering material ID example: C P C G G J 2 - 0 2 F 0 0 7

## GigaSPEED X10D G10FP zone extension cord

Material ID	Product number	Description	Jack color options	Cord color options	UOM	Cable/cordage length options
CA1G742	G10FP-HGS620MS	G10FP to M-series HGS620 on 1295 Solid Cordage	1,2,5,6,7	1,2,3,8,9	F, M	3-300 ft /1-100 m
CA1G642	G10FP-HGS620KS	G10FP to Keystone HGS620 on 1295 Solid Cordage	1	1,2,3,8,9	F, M	3-300 ft /1-100 m
CA1G542	G10FP-HGS620	G10FP to HGS620 on 1295 Solid Cordage	0	1,2,3,8,9	F, M	3-300 ft /1-100 m
CA1G762	G10FP-HGS620MS-P	G10FP to M-series HGS620 on 2295 Solid Plenum Cordage	1,2,5,6,7	3,8,Z	F, M	3-300 ft /1-100 m
CA1G662	G10FP-HGS620KS-P	G10FP to Keystone HGS620 on 2295 Solid Plenum Cordage	1	3,8,Z	F, M	3-300 ft /1-100 m
CA1G562	G10FP-HGS620-P	G10FP to HGS620 on 2295 Solid Plenum Cordage	0	3,8,Z	F, M	3-300 ft /1-100 m
CA1G772	G10FP-HGS620MS-L	G10FP to M-series HGS620 on 3295 Solid LSZH Cordage	1,2,5,6,7	8	F, M	3-300 ft /1-100 m
CA1G672	G10FP-HGS620KS-L	G10FP to Keystone HGS620 on 3295 Solid LSZH Cordage	1	8	F, M	3-300 ft /1-100 m
CA1G572	G10FP-HGS620-L	G10FP-HGS620-L	0	8	F, M	3-300 ft /1-100 m

Ordering material ID example: **CPCGGJ2-02F007**

## GigaSPEED X10D G10FP zone extension cord

Material ID	Product number	Description	Jack color options	Cord color options	UOM	Cable/cordage length options
CA177A2	HGS620MS-HGS620MS	M-series HGS620 to M-series HGS620 on 1291 Cable	1,2,5,6,7	8,C,Z	F, M	10-300 ft /3-100 m
CA166A2	HGS620KS-HGS620KS	Keystone HGS620 to Keystone HGS620 on 1291 Cable	1	8,C,Z	F, M	10-300 ft /3-100 m
CA155A2	HGS620-HGS620	HGS620 to HGS620 on 1291 Cable	0	8,C,Z	F, M	10-300 ft /3-100 m
CA177B2	HGS620MS-HGS620MS-P	M-series HGS620 to M-series HGS620 on 2291 Plenum Cable	1,2,5,6,7	C,Z	F, M	10-300 ft /3-100 m
CA166B2	HGS620KS-HGS620KS-P	Keystone HGS620 to Keystone HGS620 on 2291 Plenum Cable	1	C,Z	F, M	10-300 ft /3-100 m
CA155B2	HGS620-HGS620-P	HGS620 to HGS620 on 2291 Plenum Cable	0	C,Z	F, M	10-300 ft /3-100 m
CA177C2	HGS620MS-HGS620MS-L	M-series HGS620 to M-series HGS620 on 3291 LSZH Cable	1,2,5,6,7	8	F, M	10-300 ft /3-100 m
CA166C2	HGS620KS-HGS620KS-L	Keystone HGS620 to Keystone HGS620 on 3291 LSZH Cable	1	8	F, M	10-300 ft /3-100 m
CA1G572	HGS620-HGS620-L	HGS620 to HGS620 on 3291 LSZH Cable	0	8	F, M	10-300 ft /3-100 m

Ordering material ID example: **C P C G G J 2 - 0 2 F 0 0 7**

**Jack color options:** 0=NA, 1=Black, 2=Blue, 3=Gray, 4=Green, 5=Ivory, 6=Orange, 7=Red, 8=White, 9=Yellow

**Cord color options:** 1=BK (Black), 2=LB (Light Blue), 3=DG (Dark Gray), 4=GN (Spring Green), 6=OR (Orange), 7=RD (Red), 8=WH (White), 9=YL (Yellow), B=LL (Lilac), C=SL (Slate), Z=BL (Blue)

**Unit of measure:** F=Feet, M=Meter

**Cable/cordage length options:** 001, 002, 003. . .

Please contact your CommScope representative for the availability of nonstandard length, color and configuration.



## SYSTIMAX GigaSPEED X10D shielded high-density information outlet

The SYSTIMAX GigaSPEED X10D shielded high-density information outlet is the latest result of many years of continuous product development at CommScope Labs and features a patent pending flexible mounting system that enables a single connector to mount in three separate openings (high density, M-Series, and keystone). The HGS620 has a rugged, full-metal construction and allows for multiple size cable terminations for F/UTP and S/FTP installation (0.270 inches up to .300 inches diameter over jacket).



SYSTIMAX GigaSPEED X10D Shielded High Density Information Outlet

When used with the SYSTIMAX GigaSPEED X10D F/UTP modular panels, cable length is dramatically reduced in a channel configuration. CommScope engineers pushed the threshold and reduced the original 15 meter cable length requirement to 5 meters for 3 or 4 connector channels and only 3 meters for 2 connector channels—a more than 65 percent reduction in short channel length. These new short cable requirements give CommScope customers the design freedom to build a Category 6A infrastructure that meets their needs without the hassles of inefficient spacing and slack storage.

### Features and benefits

- Architectural design and flexibility—supports 5 meter cables in 3 and 4 connector channels, 3 meter cables in 2 connector channels and cross-connect cords down to 1 meter
- Allows for multiple size cable terminations 0.270 inches up to 0.300 inches diameter over jacket and flame ratings: F/UTP and S/FTP
- Universal design and label supports both T568A and T568B wiring
- Black icons provided in strip of three: VOICE, DATA and BLANK and are also sold separately in bulk packs, available in green, blue, red, black, white and yellow
- Termination time decreased when using the HGS-TT-S termination tool and GigaSPEED X10D F/UTP 91B Series Cables
- Electrical performance guaranteed to meet or exceed the channel specification of Amendment 1 of ISO/IEC 11801 Class EA and ANSI/TIA-568-C.2 Category 6A up to 500 MHz when used as part of a GigaSPEED X10D F/UTP Channel in registered SYSTIMAX installations
- Patent pending flexible mounting system enables a single connector to mount in three separate openings: HD (High Density), M-Series and Keystone
- Rugged, full-metal construction
- I DC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cables
- Optimal performance is achieved when using SYSTIMAX shielded patch cords
- UL® listed
- Can support network line speeds up to at least 10 Gbps
- Certified component of an integrated GigaSPEED X10D F/UTP solution
- Qualifies for the SYSTIMAX 20-Year Extended Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D F/UTP Channel
- TAA compliant

## Ordering information:

Material ID	Product number	Description
760152801	HGS620	GigaSPEED X10D Shielded High-Density Information Outlet
760152819	HGS620-BULK100	GigaSPEED X10D Shielded High-Density Information Outlet, 100 pack
760152827	HGS-A-KS-BK	HGS Keystone Adapter Bulk Pack
760154211	HGS-A-MS-Black	HGS M-Series Adapter, Black
760154252	HGS-A-MS-Blue	HGS M-Series Adapter, Blue
760154187	HGS-A-MS-White	HGS M-Series Adapter, White
760154195	HGS-A-MS-Ivory	HGS M-Series Adapter, Ivory
760154229	HGS-A-MS-Orange	HGS M-Series Adapter, Orange
760154260	HGS-A-MS-Red	HGS M-Series Adapter, Red
760154237	HGS-A-MS-Green	HGS M-Series Adapter, Green
760154203	HGS-A-MS-Gray	HGS M-Series Adapter, Gray
760154245	HGS-A-MS-Yellow	HGS M-Series Adapter, Yellow
760154096	H61A-226-Green	HGS Icon Strip Bulk Pack, Green
760154112	H61A-318-Blue	HGS Icon Strip Bulk Pack, Blue
760154120	H61A-317-Red	HGS Icon Strip Bulk Pack, Red
760154070	H61A-003-Black	HGS Icon Strip Bulk Pack, Black
760154047	H61A-262-White	HGS Icon Strip Bulk Pack, White
760154104	H61A-123-Yellow	HGS Icon Strip Bulk Pack, Yellow
760152876	HGS-TT-S	Hand Termination Tool—Seat Only

## SYSTIMAX 360 GigaSPEED X10D F/UTP modular panels

The SYSTIMAX 360 GigaSPEED X10D F/UTP modular panels are available in straight and angled constructions and are iPatch®-ready, making them field upgradeable to iPatch without the need to remove patch cords, meaning no network downtime. The F/UTP modular panels offer easy cable routing and bundling through CommScope's rear cable management solution and feature the elegant SYSTIMAX 360 design.

When used with the SYSTIMAX GigaSPEED X10D HGS620 information outlet, cable length is dramatically reduced in a channel configuration. CommScope engineers pushed the threshold and reduced the original 15 meter cable length requirement to 5 meters for 3 or 4 connector channels and only 3 meters for 2 connector channels—a more than 65 percent reduction in short channel length. These new short cable requirements give CommScope customers the design freedom to build a Category 6A infrastructure that meets their needs without the hassles of inefficient spacing and slack storage.

### Features and benefits

- Simple-to-use grounding solution
- Straight and angled constructions, both iPatch (intelligence) ready
- Features the elegant SYSTIMAX 360 design
- Supports 5 meter cables in 3 and 4 connector channels, 3 meter cables in 2 connector channels and cross-connect cords down to 1 meter when using the GigaSPEED X10D shielded high-density information outlet (HGS620)
- iPatch-ready—field upgradeable to iPatch without the need to remove patch cords, meaning no network downtime
- TAA compliant
- Easy cable routing and bundling through improved rear cable management solution
- Electrical performance guaranteed to meet or exceed the channel specification of Amendment 1 of ISO/IEC 11801 Class EA and ANSI/TIA-568-C.2 Category 6A up to 500 MHz when used as part of a GigaSPEED X10D F/UTP channel in registered SYSTIMAX installations
- Available in 24 and 48 port configurations
- Qualifies for the SYSTIMAX 20-Year Extended Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D F/UTP Channel
- Compatible with DYMO Labeling Solution



SYSTIMAX 360 GigaSPEED X10D modular panel, 48 port, front view



SYSTIMAX 360 GigaSPEED X10D modular panel, 48 port, rear view



SYSTIMAX 360 GigaSPEED X10D angled modular panel, 24 port

## Ordering information:

Material ID	Product number	Description
760150144	360-IPR-MFTP-E-HD6B-1U-24	SYSTIMAX 360 GigaSPEED X10D Evolve High-Density F/UTP Modular Panel, 24-port
760151498	360-IPR-MFTP-E-HD6B-2U-48	SYSTIMAX 360 GigaSPEED X10D Evolve High-Density F/UTP Modular Panel, 48-port
760151290	360-IPR-MFTPA-E-HD6B-1U-24	SYSTIMAX 360 GigaSPEED X10D Evolve High-Density F/UTP Angled Modular Panel, 24-port
760151746	360-IPR-MFTPA-E-HD6B-2U-48	SYSTIMAX 360 GigaSPEED X10D Evolve High-Density F/UTP Angled Modular Panel, 48-port
760152371	360-iP-M-E-HD6B-1U-24	SYSTIMAX 360 iPatch Evolve High-Density F/UTP Modular Panel, 24-p
760152389	360-iP-M-E-HD6B-2U-48	SYSTIMAX 360 iPatch Evolve High-Density F/UTP Modular Panel, 48-port
760158667	360-iP-MFTPA-E-HD6B-1U-24	SYSTIMAX 360 iPatch Evolve High-Density F/UTP Angled Modular Panel, 24 Port
760158675	360-iP-MFTPA-E-HD6B-2U-48	SYSTIMAX 360 iPatch Evolve High-Density F/UTP Angled Modular Panel, 48 Port
760151480	360-MFTP-LKB	SYSTIMAX 360 GigaSPEED X10D Evolve High-Density F/UTP Modular Panel Label Kit
760152538	360-E-C-1U	360 Evolve Panel Front Cover 1U
760152546	360-E-C-2U	360 Evolve Panel Front Cover 2U
760158600	360-iP-UP-KIT-AE-24	360 iPatch Angled Evolve Kit, 24-Port, 10 pack
760158618	360-iP-UP-KIT-AE-48	360 iPatch Angled Evolve Kit, 48-Port, 5 pack

Everyone communicates. It's the essence of the human experience. How we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.



---

[commscope.com](http://commscope.com)

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

© 2017 CommScope, Inc. All rights reserved.

All trademarks identified by ® or ™ are registered trademarks or 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](http://www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability).

BR-110890-EN (01/17)