

AT&T Ordering Guide

RF Wireless Product Solutions for FirstNet® Site Applications



FirstNet®

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Base Station Antennas

CommScope's trusted solutions provide superior RF performance, control and reliability, while reducing total cost of ownership.

Our portfolio of base station antenna systems and accessories offers quality solutions for any challenge, including remote antenna tilt management and antennas designed for emerging applications such as MIMO and digital beam forming.

All base station antennas are 100 percent production tested in an anechoic chamber for VSWR and IM for consistent, trouble-free performance in the field. Each dual polarized antenna is also tested for isolation.

Multiband Hex-Port Antennas

Ordering Information

Description	HBW	Beam Tilt (°)	RF Connector	Length (inches)	Weight (lb)*	RET	Part Number	AT&T Item #
Multiband Hex-Port Antennas								
698–896 and 2 x 1695–2360 MHz	45°	2-18 1-9	6 x 7-16 DIN Female	48.0	50.5	1 x Low Band 2 x High Band	SBNHH-1D45A	ANT.14948
		0-14 0-8	6 x 7-16 DIN Female	72.0	64.4	1 x Low Band 2 x High Band	SBNHH-1D45B	ANT.14890
		0-10 0-8	6 x 7-16 DIN Female	96.0	79.6	1 x Low Band 2 x High Band	SBNHH-1D45C	ANT.14891
	65°	0-18 0-10	6 x 7-16 DIN Female	55.6	33.5	1 x Low Band 1 x High Band	SBNHH-1D65A	ANT.14035
		0-14 0-7	6 x 7-16 DIN Female	72.0	40.6	1 x Low Band 1 x High Band	SBNHH-1D65B	ANT.14036
		0-11 0-7	6 x 7-16 DIN Female	96.0	49.6	1 x Low Band 1 x High Band	SBNHH-1D65C	ANT.14037
	85°	2-18 1-9	6 x 7-16 DIN Female	48.0	31.7	1 x Low Band 2 x High Band	SBNHH-1D85A	ANT.15065
		0-12 0-8	6 x 7-16 DIN Female	72.0	42.1	1 x Low Band 2 x High Band	SBNHH-1D85B	ANT. 14792
		0-10 0-8	6 x 7-16 DIN Female	96.0	49.6	1 x Low Band 2 x High Band	SBNHH-1D85C	ANT.14889

* Weight without mounting kit



Hex-Port Antenna
(SBNHH-1D45A)



Hex-Port Antenna
(SBNHH-1D65C)



Hex-Port Antenna
(SBNHH-1D85B)

Multiband Eight-Port Antennas

Ordering Information

Description	HBW	Beam Tilt (°)	RF Connector	Length (inches)	Weight (lb)*	RET	Part Number	AT&T Item #
Multiband Eight-Port Antennas								
698–798, 824–894 and 2 x 1695–2360 MHz	65°	2-18 2-18 0-10	8 x 4.3-10 Female	55.1	52.9	2 x Low Band 1 x High Band	JAHH-65A-R3B	ANT.16329
		2-14 2-14 0-10	8 x 4.3-10 Female	72.0	70.0	2 x Low Band 1 x High Band	JAHH-65B-R3B-V3	ANT.16106
		0-11 0-11 2-12	8 x 4.3-10 Female	96.0	86.0	2 x Low Band 1 x High Band	JAHH-65C-R3B-V3	ANT.16107
2 x 698-896 and 2 x 1695-2360 MHz	65°	2-16 2-12	8 x 4.3-10 Female	55.1	68.3	2 x Low Band 2 x High Band	NNHH-65A-R4	ANT.16569
		2-14 2-12	8 x 4.3-10 Female	72.0	78.3	2 x Low Band 2 x High Band	NNHH-65B-R4	ANT.16427

* Weight without mounting kit



8-Port Antenna
(JAHH-65A-R3B, JAHH-65B-R3B-V3 & JAHH-65C-R3B-V3)



8-Port Antenna
(NNHH-65A-R4 & NNHH-65B-R4)

Multiband 10- and 12-Port Antennas

Ordering Information

Description	HBW	Beam Tilt (°)	RF Connector	Length (inches)	Weight (lb)*	RET	Part Number	AT&T Item #
Multiband Multiport Antennas								
694-960 and 4 x 1710-2690 MHz	65°	0-10 0-10	10 x 7-16 DIN Female	99.7	86.0	1 x Low Band 4 x High Band	RV4PX310R-V2	ANT.15064
698-798, 824-896 and 4 x 1695-2360 MHz	65°	2-14	12 x 4.3-10 Female	72.0	58.4	1 x Low Band 2 x High Band	SBJAH4-1D65B-DL	ANT.15074
		2-11 2-11 2-12	12 x 4.3-10 Female	96.0	69.2	1 x Low Band 2 x High Band	SBJAH4-1D65C-DL	ANT.15075
		2-14 2-14	12 x 4.3-10 Female	72.0	64.0	2 x Low Band 2 x High Band	JAH4-65B-R4	-
		0-11 2-12	12 x 4.3-10 Female	96.0	87.3	2 x Low Band 2 x High Band	JAH4-65C-R4	ANT.16438
2 x 698-896 4 x 1695-2360 MHz	65°	2-14 2-14	12 x 4.3-10 Female	72.0	89.7	2 x Low Band 4 x High Band	NNH4-65B-R6	ANT.16413
		2-12 2-12	12 x 4.3-10 Female	96.0	110.5	2 x Low Band 4 x High Band	NNH4-65C-R6	ANT.16346
		2-12	12 x 4.3-10 Female	105.8	121.3	2 x Low Band 4 x High Band	NNH4-65D-R6	ANT.16194

* Weight without mounting kit



10-Port Antenna
(RV4PX310R-V2)



12-Port Antenna
(SBJAH4-1D65B-DL & SBJAH4-1D65C-DL)



12-Port Antenna
(JAH4-65B-R4 & JAH4-65C-R4)



12-Port Antenna
(NNH4-65B-R6, NNH4-65C-R6 & NNH4-65D-R6)

Tower Mounted Amplifiers (TMAs)

CommScope offers dependable tower mounted amplifier (TMA) solutions that help optimize network performance by correcting the signal imbalance between mobile phones and base station antennas. Our amplifiers provide improved sensitivity, enhanced signal quality, and better coverage as well as higher data throughput — even in hard-to-cover areas. Easy to install, our TMAs are compact, lightweight and easily concealed. They also feature best-in-class electrical performance and are available with built-in AISG functionality and remote electrical tilt (RET) antenna support.

Single Band TMAs with Bypass

Ordering Information

Description	Ports	Diplexed	AISG Port	Configuration	Part Number	AT&T Item #
Single Band TMAs with Bypass						
Connector: 7-16 DIN Female						
Single Band PCS, 700–850 Bypass	1-BTS:2-ANT (Diplex)	BTS	Yes	Twin	E15S09P78	32117
Single Band PCS, 850 Bypass	1-BTS:2-ANT (Diplex)	BTS	No	Single	E15S09P56	10890
Single Band AWS, 700 Bypass	1-BTS:2-ANT (Diplex)	BTS	Yes	Twin	E15Z09P94	11796
Single Band WCS, 700-850 Bypass	1-BTS:2-ANT (Diplex)	BTS	Yes	Twin	TMAT23B78-21A	15114
				Quad	TMAQ23B78-21A	15115



Single, Single Band TMA
(E15S09P56)



Twin, Single Band TMA
(E15Z09P94)



Quad, Single Band TMA
(TMAQ23B78-21A)

Dual Band TMAs

Ordering Information

Description	Ports	Diplexed	AISG Port	Configuration	Part Number	AT&T Item #
Dual Band TMAs						
Connector: 7-16 DIN Female						
Dual Band PCS/AWS 700–850 Bypass	1-BTS:2-ANT (Diplex)	BTS	No	Single	E15S09P50	12945
Dual Band PCS/AWS 1-4 555–894 MHz Bypass	1-BTS:2-ANT (Diplex)	ANT/BTS	Yes	Twin	TMAT1921xB68-21A	15474
Dual Band TMAs						
Connector: 4.3-10 Female						
Dual Band PCS/AWS 1-4 555–894 MHz Bypass	1-BTS:2-ANT (Diplex)	ANT/BTS	Yes	Twin	TMAT1921B68-21-43	18422
Dual Band PCS/WCS 555–894 MHz Bypass	1-BTS:3-ANT (Triplex)	BTS	Yes	Twin	TMAT1923B68-31-43	16766
Dual Band AWS 1-4/WCS 555–894 MHz Bypass	1-BTS:3-ANT (Triplex)	BTS	Yes	Twin	TMAT21X23B68-31-43	17633



Single, Dual Band TMA
(E15S09P50)



Twin, Dual Band TMA
(TMAT1921xB68-21A)



Twin, Dual Band TMA
(TMAT21X23B68-31-43)

Multiband Combiners

To facilitate co-siting, CommScope offers multiband combiner products that enable antenna and feeder sharing by combining multiple frequency bands to a common RF path. Available in a variety of configurations, our crossband couplers (CBCs) and multiplexer products integrate signals from wireless systems that operate in PCS, AWS, WCS and many other bands, and support all technologies, such as UMTS, WiMAX and LTE.

Our CBCs, quadplexers, triplexers and diplexers provide extremely low insertion loss, high isolation, and high power handling capability in a compact, rugged, weatherproof housing. Sealing gaskets provide protection from moisture ingress at all interfaces.

Features

- Simplifies network modernization
- Integrated DC block/DC bypass versions available
- Compact designs offer flexible mounting options
- Smart models with intelligent DC switching available

Diplexers

Ordering Information

Description	Bypass	AISG Port	Configuration	Part Number	AT&T Item #
Diplexers - 380–960/1695–2690 MHz					
Connector: 4.3-10 Female					
Port 1: 700-850 MHz Port 2: PCS, AWS, WCS	DC Sense	-	Single	CBC426-DS-43	18178
			Twin	CBC426T-DS-43	18179
Diplexers - 698–894/1710–2360 MHz					
Connector: 7-16 DIN Female					
Port 1: 700-850 MHz Port 2: PCS, AWS, WCS	DC Sense	-	Single	CDX723A-DS	14230
			Twin	CDX723AT-DS	14233
		Male	Single	CDX723A-DS-B	14231
			Twin	CDX723AT-DS-B	14234
		Female	Single	CDX723A-DS-T	14232
			Twin	CDX723AT-DS-T	14235
Diplexers - 698-803/824-894 MHz					
Connector: 4.3-10 Female					
Port 1: 700 MHz Port 2: Cellular	DC Sense	-	Single	CBC78-DS-43	17743
			Twin	CBC78T-DS-43	17744
			4 Pack	CBC78T-DS-43-2X	18272



Single Diplexer
(CBC426-DS-43)



Twin Diplexer
(CBC426T-DS-43)



Single Diplexer
(CDX723A-DS-B)



Twin Diplexer
(CDX723AT-DS-B)



4 Pack Diplexer
(CBC78T-DS-43-2X)

Compact Diplexers

Ordering Information



Twin Compact Diplexer
(CBC626T-DL-4310)

Description	Bypass	DC/ AISG Pass	Configuration	Part Number	AT&T Item #
Compact Diplexers - 555-960/1695-2690 MHz					
Connector: 4.3-10 Female					
Port 1: 600, 700 MHz, Cellular Port 2: PCS, AWS 1-4, WACS, BRS	Bypass on Low Frequency Port	Port 1	Twin	CBC626T-DL-4310	15767

Triplexers

Ordering Information

Description	Bypass	DC/ AISG Pass	Configuration	Part Number	AT&T Item #
Triplexers - 698-803/824-894/1695-2360 MHz					
Connector: 4.3-10 Female					
Port 1: 700 MHz Port 2: Cellular Port 3: PCS, AWS 1-4	DC Sense	DC Sense	Single	CBC7823-DS-43	16344
			Twin	CBC7823T-DS-43	16345
Triplexers - 698-798/824-894/1695-2360 MHz					
Connector: 7-16 DIN Female					
Port 1: 700 MHz Port 2: Cellular Port 3: PCS, AWS 1-4	DC Sense	DC Sense	Single	CBC7823-DS	16021
			Twin	CBC7823T-DS	16022
Triplexers - 698-894/1710-1755 & 2110-2155/1850-1990 MHz					
Connector: 7-16 DIN Female					
Port 1: 700 MHz, Cellular Port 2: PCS Port 3: AWS	DC Bypass on all Ports	Port 1, 2, 3	Single	CBC71921-DF	14199
			(2) Stacked	CBC71921-DF-2X	14200
Triplexers - 555-894/1850-1990/1695-1780 & 2110-2200 MHz					
Connector: 4.3-10 Female					
Port 1: 600, 700 MHz, Cellular Port 2: PCS Port 3: AWS 1-4, WCS	DC Sense	DC Sense	Single	CBC61923-DS-43	16258
			Twin	CBC61923T-DS-43	16260
Triplexers - 555-894/1850-1990/1695-1780 & 2110-2200 MHz					
Connector: 7-16 DIN Female					
Port 1: 600, 700 MHz, Cellular Port 2: PCS Port 3: AWS 1-4	DC Sense	DC Sense	Single	CBC61921Y-DS	16058
			(2) Stacked	CBC61921Y-DS-2X	16059



Single Triplexer
(CBC7823-DS-43)



Twin Triplexer
(CBC7823T-DS-43)



Single Triplexer
(CBC71921-DF)



Stacked Triplexer
(CBC61921Y-DS-2X)

Quadplexers

Ordering Information

Description	Bypass	DC/ AISG Pass	Configuration	Part Number	AT&T Item #
Quadplexers - 698-798/824-894/1850-1990/1710-1780 & 2110-2360 MHz					
Connector: 7-16 DIN Female					
Port 1: 700 MHz Port 2: Cellular Port 3: PCS Port 4: AWS 1-4	DC Sense	DC Sense	Single	CBC781921W-DS	By Exception
			Twin	CBC781921WT-DS	By Exception
Quadplexers - 698-798/824-894/1695-1780, 2110-2200 & 1850-1990/2305-2360 MHz					
Connector: 7-16 DIN Female					
Port 1: 700 MHz Port 2: Cellular Port 3: AWS 1-4, PCS Port 4: WCS	DC Sense	DC Sense	Single	CBC782123-DS	By Exception
			Twin	CBC782123T-DS	By Exception
Quadplexers - 555-894/1695-1780 & 2110-2180/1850-1990/2305-2360 MHz					
Connector: 7-16 DIN Female					
Port 1: 600, 700 MHz, Cellular Port 2: AWS Port 3: PCS Port 4: WCS	DC Sense	DC Sense	Single	CBC6192123-DS	By Exception
			Twin	CBC6192123T-DS	By Exception
Quadplexers - 698-803/824-894/1850-1990/1695-1780, 2110-2200 & 2305-2360 MHz					
Connector: 4.3-10 Female					
Port 1: 700 MHz Port 2: Cellular Port 3: PCS Port 4: AWS 1-4, WCS	DC Sense	DC Sense	Single	CBC781923-DS-43	By Exception
			Twin	CBC781923T-DS-43	By Exception



Single, Quadplexer
(CBC781921W-DS)



Twin, Quadplexer
(CBC781921WT-DS)



Twin, Quadplexer
(CBC781923T-DS-43)

Pentaplexers

Ordering Information

Description	Bypass	DC/ AISG Pass	Configuration	Part Number	AT&T Item #
Pentaplexers - 698-798/824-894/1850-1990/1695-1780 & 2110-2180/2305-2360 MHz Connector: 7-16 DIN Female					
Port 1: 700 MHz Port 2: Cellular Port 3: AWS Port 4: PCS Port5: WCS	DC Sense	DC Sense	Single	CBC78192123-DS	By Exception
			Twin	CBC78192123T-DS	By Exception



Twin, Pentaplexer
(CBC78192123T-DS)

HELIAX® FiberFeed®

Highly reliable and customizable, HELIAX® FiberFeed® has everything you need to meet your fiber to the antenna (FTTA) objectives for towers, rooftops and other support structures.

Trunked Fiber and Power Cables

- High RRU count sites
- Great flexibility
- Easier “bulk cable” logistics
- Lower hardware costs
- Reduced installation costs

HELIAX FiberFeed Trunk Cables

Ordering Information

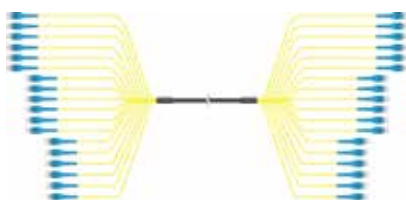
Description	Cable Length (meters)	Part Number	AT&T Item #
Single-mode Trunk Cables; DLC to DLC			
Outdoor 9/125um bend insensitive, G.657.A2, central loose tube cable, black			
Side A (top): fan-out length suitable to entry box, connectors protected by pulling sock.			
Side B (bottom): fan-out length 2 meters, connectors protected by coil tubing.			
36-Fiber, 18-Pair (1x36) OD: 10.0 mm	15 m	RFFT-36SM-001-15M	CEQ.11740
	30 m	RFFT-36SM-001-30M	CEQ.11741
	50 m	RFFT-36SM-001-50M	CEQ.11742
	60 m	RFFT-36SM-001-60M	CEQ.11743
	75 m	RFFT-36SM-001-75M	CEQ.11744
	100 m	RFFT-36SM-001-100M	CEQ.11745
	125 m	RFFT-36SM-001-125M	CEQ.11746
	150 m	RFFT-36SM-001-150M	CEQ.11747
	175 m	RFFT-36SM-001-175M	CEQ.11748
	200 m	RFFT-36SM-001-200M	CEQ.11749
12-Fiber, 6-Pair (1x12) OD: 10.0 mm	15 m	RFFT-12SM-001-15M	CEQ.11750
	30 m	RFFT-12SM-001-30M	CEQ.11751
	50 m	RFFT-12SM-001-50M	CEQ.11752
	60 m	RFFT-12SM-001-60M	CEQ.11753
	75 m	RFFT-12SM-001-75M	CEQ.11754
	100 m	RFFT-12SM-001-100M	CEQ.11755
	125 m	RFFT-12SM-001-125M	CEQ.11756
	150 m	RFFT-12SM-001-150M	CEQ.11757
	175 m	RFFT-12SM-001-175M	CEQ.11758
	200 m	RFFT-12SM-001-200M	CEQ.11759



Pulling Sock



Coil Tubing



36-Fiber Trunk Cable



12-Fiber Trunk Cable

HELIAX FiberFeed Ruggedized Jumpers

Ordering Information

Description	Cable Length (meters)	Part Number	AT&T Item #
Singlemode Ruggedized Jumpers; DLC to DLC			
Indoor/outdoor 9/125um bend insensitive, G.657.A2			
2-Fiber Breakout at OVP 25 cm	750 mm	FJ-2SM-015-M75	CEQ.14065
	1 m	FJ-2SM-015-1M	CEQ.14066
	5 m	FJ-2SM-015-5M	CEQ.14067
	7.5 m	FJ-2SM-015-7.5M	CEQ.14068
	10 m	FJ-2SM-015-10M	CEQ.14069
	20 m	FJ-2SM-015-20M	CEQ.14070
	35 m	FJ-2SM-015-35M	CEQ.14071
	50 m	FJ-2SM-015-50M	CEQ.14072
	75 m	FJ-2SM-015-75M	CEQ.14073
	100 m	FJ-2SM-015-100M	CEQ.14074
	125 m	FJ-2SM-015-125M	CEQ.14075
	150 m	FJ-2SM-015-150M	CEQ.14076
	175 m	FJ-2SM-015-175M	CEQ.14077
	200 m	FJ-2SM-015-200M	CEQ.14078
4-Fiber Dual* Separation at RRU 70 cm Breakout at OVP 25 cm	1 m	FJ-4SM-008-1M	CEQ.14050
	5 m	FJ-4SM-008-5M	CEQ.14051
	7.5 m	FJ-4SM-008-7.5M	CEQ.14052
	10 m	FJ-4SM-008-10M	CEQ.14053
	20 m	FJ-4SM-008-20M	CEQ.14054
	35 m	FJ-4SM-008-35M	CEQ.14055
	50 m	FJ-4SM-008-50M	CEQ.14056
	75 m	FJ-4SM-008-75M	CEQ.14057
	100 m	FJ-4SM-008-100M	CEQ.14058
	125 m	FJ-4SM-008-125M	CEQ.14059
	150 m	FJ-4SM-008-150M	CEQ.14060
	175 m	FJ-4SM-008-175M	CEQ.14061
	200 m	FJ-4SM-008-200M	CEQ.14062

* Used in tower top applications where A2 modules are deployed in conjunction with Ericsson radios.
Note that an additional weatherproofing connector/sleeve will be required for the connection to the A2 module.



2-Fiber Jumper

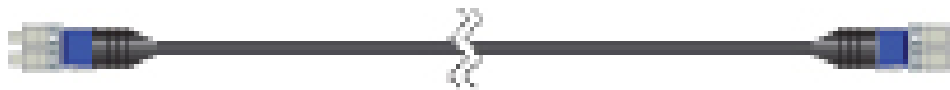


4-Fiber Dual Jumper

HELIAX FiberFeed Armored Jumpers

Ordering Information

Description	Cable Length (meters)	Part Number	AT&T Item #
Singlemode Armored Jumpers; DLC to DLC			
Armored Indoor/outdoor 9/125um bend insensitive, G.657.A2			
2-Fiber	0.75 m	FJ-2SM-015A-0.75M	CEQ.15447
	1 m	FJ-2SM-015A-1M	CEQ.15448
	2 m	FJ-2SM-015A-2M	CEQ.15449
	5 m	FJ-2SM-015A-5M	CEQ.15450
	7.5 m	FJ-2SM-015A-7.5M	CEQ.15451
	10 m	FJ-2SM-015A-10M	CEQ.15444
	20 m	FJ-2SM-015A-20M	CEQ.15452



2-Fiber Armored Jumper

HELIAX FiberFeed Low-Profile Jumpers

Ordering Information

Description	Cable Length (meters)	Part Number	AT&T Item #
Singlemode Ruggedized Jumpers; Low-Profile DLC to DLC			
Armored Indoor/outdoor 9/125um bend insensitive, G.657.A2			
2-Fiber	2 m	FJ-2SM-015F-2M	ANT.16209
	5 m	FJ-2SM-015F-5M	ANT.16135
	7.5 m	FJ-2SM-015F-7.5M	ANT.16136
	10 m	FJ-2SM-015F-10M	ANT.16137
	20 m	FJ-2SM-015F-20M	ANT.16138
	35 m	FJ-2SM-015F-35M	ANT.16139
	50 m	FJ-2SM-015F-50M	ANT.16140
	75 m	FJ-2SM-015F-75M	ANT.16141
	100 m	FJ-2SM-015F-100M	ANT.16142
	125 m	FJ-2SM-015F-125M	ANT.16143
	150 m	FJ-2SM-015F-150M	ANT.16144
	175 m	FJ-2SM-015F-175M	ANT.16146
	200 m	FJ-2SM-015F-200M	ANT.16147



2-Fiber Low-Profile Jumper

Jumpers for Ericsson RRUW

Ordering Information

Description	Cable Length (meters)	Part Number	AT&T Item #
Singlemode Jumpers for Ericsson RRUW; DLC to DLC			
Indoor/outdoor 9/125um bend insensitive, G.657.A2			
2-Fiber Breakout Length: Side 1: 4 cm , Side 2: 20 cm OD: 5.5 mm	5 m	FJ-2SM-003-5M	CEQ.11931
	10 m	FJ-2SM-003-10M	CEQ.11932
	20 m	FJ-2SM-003-20M	CEQ.11933
	35 m	FJ-2SM-003-35M	CEQ.11934
	50 m	FJ-2SM-003-50M	CEQ.11935
	75 m	FJ-2SM-003-75M	CEQ.11936
	100 m	FJ-2SM-003-100M	CEQ.11937
	125 m	FJ-2SM-003-125M	CEQ.11938
	150 m	FJ-2SM-003-150M	CEQ.11939
	175 m	FJ-2SM-003-175M	CEQ.11940
	200 m	FJ-2SM-003-200M	CEQ.11941



2-Fiber Jumper for Ericsson RRUW

DC Power Cables

Ordering Information

Description	Cable Gauge	Ground Wire	Drain Wire	Part Number	AT&T Item #
DC Power Cables					
Conductor shielded, 600 V rating					
Tinned copper braid and aluminum tape with drain wire					
6 Conductor Multicolor	6 AWG	8 AWG	12 AWG	PWRT-606-S	CEQ.14081
	8 AWG	10 AWG	12 AWG	PWRT-608-S	CEQ.11192
2 Conductor Red and black	8 AWG (168 strands)	10 AWG	12 AWG	PWRT-208-S	CEQ.11195
	10 AWG (105 strands)	10 AWG	14 AWG	PWRT-210-S	CEQ.11194
	12 AWG (65 strands)	12 AWG	16 AWG	PWRT-212-S	CEQ.11193



Note: UV resistant for outdoor and/or direct burial installations

Fiber Management Enclosures

Ordering Information

Description	Dimensions (HxWxD)	Part Number	AT&T Item #
Indoor/Outdoor Excess Cable Enclosures			
Accepts 30 m of excess fiber trunk cable Pole- and wall-mount	18.33" x 18.0" x 4.0"	FE-18184	CEQ.11771
Accepts 20 m of excess fiber tails Pole-mount	5.90" x 14.0" x 3.20"	FE-1463	CEQ.14082
Indoor Universal Fiber Management Tray Accepts 20 m of 10 mm fiber trunk cable, protects unused fiber fan-outs near the radio equipment 19" rack-mount	1.75" x 19.0" x 14.0"	FE-14192-IR	CEQ.11772



Indoor/Outdoor Enclosure
(FE-18184)



Indoor/Outdoor Enclosure
(FE-1463)



Indoor Universal Fiber Tray
(FE-14192-IR)

Cable Hangers and Adapters

Ordering Information

Description	Part Number	AT&T Item #
Double Click-On Hanger (10 pieces)		
For 7/8" coaxial cable	L5CLICKB	CEQ.21818
For 1-1/4" coaxial cable	L6CLICK	ANT.60221
Hardware Kit; Double Click-on Hanger (10 pieces) Includes 3/8" threaded rod, washers and hex nuts		
Holds one L5CLICKB or L6CLICK	243095-1	CEQ.13224
SnapStak® Plus Hanger (10 pieces)*		
For PWRT-606, PWRT-608 series cable	SSH-M	TBD
SnapStak® Hanger (10 pieces)		
For 1/2" coaxial cable	SSH-12	CEQ.24317
For 7/8" coaxial cable	SSH-78	CEQ.22867
For 1-1/4" coaxial cable	SSH-114	CEQ.10965
Three-Way Snap-In Stand-Off Adapters (10 pieces)		
For 2"-3" round members	STS3-23	CEQ.11196
For 3"-4" round members	STS3-34	CEQ.11197
For 4"-5" round members	STS3-45	CEQ.11198
Three-Way Universal Stand-Off Adapter (10 pieces)	SA-38	ANT.16498
Angle Adapters (C Clamp) (10 pieces)		
Universal snap-in, 3/4" hole	UA-3	ANT.10867
With 3/8" in tapped hole	243684	CEQ.72375

* SnapStak Plus hangers support power cables without grommets reducing cost and installation time.



Double Click-On Hanger
(L5CLICKB)



SnapStak Plus Hanger
(SSH-M)



SnapStak Hanger
(SSH-12)



Adapter
(STS3-23)



Adapter
(UA-3)

HELIAX FiberFeed Hanger Kit

Ordering Information

Description	FJ-2SM-Series Cables	Power Cables	Part Number	AT&T Item #
HELIAX FiberFeed Hanger Kit Includes grommet and snap-in hanger				
(1) SSH-158 Snap-in hanger	4 holes x 6.0 mm	4 holes x 10.1 mm (PWRT-212-S cables)	FA-064104-SIH	ANT.15645
		4 holes x 12.4 mm (PWRT-210-S cables)	FA-064124-SIH	ANT.15643
(1) 252118 Snap-in hanger	4 holes x 10.0 mm	2 holes x 21.0 mm (PWRT-608-S cables)	FA-104212-SIH	ANT.15642



FiberFeed Hanger Kit
(FA-064104-SIH)

Note: Designed to organize multiple cables; not intended to support the weight of the cable for long vertical runs up a tower

Cable Hanger Grommets

Ordering Information

Description	Hole Sizes	Use With Cables	Used With Hangers	Part Number	AT&T Item #
Cable Hanger Grommets					
For 1/2" SnapStak or click-on hanger	Single 5 mm	FJ-2SM-series	SSH-12 43211A	HG-5MM-12	CEQ.11201
	Single 10 mm	PWRT-210-S	SSH-12 L4CLICK	HG-10MM-12	ANT.16496
For 7/8" SnapStak or click-on hanger	Single 10 mm	RFFT-12SM-001, RFFT-36SM-001 PWRT-212-S	SSH-78 L5CLICKB	HG-38-78	CEQ.11202
For 1-1/4" SnapStak or click-on hanger	Single 10 mm	RFFT-12SM-001, RFFT-36SM-001	SSH-114 L6CLICK	HG-38-114	CEQ.11203
	Single 17 mm	PWRT-608-S	SSH-114 L6CLICK	HG-58-114	CEQ.11205
	(3) 10 mm (4) 6 mm	PWRT-210-S FJ-2SM-series	SSH-114 L6CLICK	HG-064103-114	ANT.16493
For 1-5/8" SnapStak or click-on hanger	Single 6 mm Single 12 mm	FJ-2SM-series PWRT-210-S	SSH-158 L7CLICK	HG-064124-158	ANT.16494
	Single 9 mm (2) 19 mm	RFFT-36SM-001 PWRT-608-S	SSH-158 L7CLICK	HG-091192-158	ANT.16492
	Single 9 mm (2) 22 mm	RFFT-36SM-001 PWRT-606-S	SSH-158 L7CLICK	HG-091242-158	ANT.16495

Hanger Grommet Application Table

Application	Cable Type	Hanger Part Number	Grommet Part Number
Tower	Fiber Trunk	SSH-78	HG-38-78
	Power Trunk	SSH-114	HG-58-114
	Fiber Jumper	SSH-12	HG-5MM-12
	Power Jumper	SSH-78	HG-38-78
Wood Pole	Fiber Trunk	L6CLICK	HG-38-114
	Power Trunk	L6CLICK	HG-58-114
	Fiber Jumper	L4CLICK	HG-5MM-12
	Power Jumper	L5CLICKB	HG-38-78



Grommet
(HG-5MM-12)



Grommet
(HG-064103-114)

Cable Entry Boots

Ordering Information

Description	Part Number	AT&T Item #
Cable Entry Boots		
4" Boot, for 3/8" cable (1 hole) and 7/8" cable (2 holes)	ECI-38-782-4	CEQ.11206
4" Entry panel port, for (4) 11-29 mm (0.433-1.142 in) cables	FA-102993-HC3	ANT.16511
4" Entry panel port, for (1) 24-54 mm (0.945-2.126 in)	FA-102997-HC3	ANT.16512



Cable Entry Boot
(ECI-38-782-4)



Cable Entry Boot
(FA-102993-HC3)



Cable Entry Boot
(FA-102997-HC3)

Hoisting Grips

Ordering Information

Description	Part Number	AT&T Item #
Lace-Up Hoisting Grips		
For all RFFT series fiber trunk cables	LUHG-38	ANT.12774
For PWRT-606-S and PWRT-608-S power cables	29958-C	TBD



Hoisting Grips

HELIAX FiberFeed Weatherproofing Shroud

Ordering Information

Description	Part Number	AT&T Item #
HELIAX FiberFeed Weatherproofing Shroud		
Provides moisture seal for fiber connections. Compatible with RRUS11, RRUS12 and Air antenna interfaces.		
LxW: 4.09" x 1.38"	FA-FWS-E-1C	CEQ.18066
LxW: 15.12" x 1.38"	FA-FWS-E-250-1C	CEQ.18067



Weatherproofing Shroud
(FA-FWS-E-1C)



Weatherproofing Shroud
(FA-FWS-E-250-1C)

When existing coaxial cables or connectors are damaged, or otherwise cannot be reused for FirstNet sites, the table below shows replacement cables and connectors, as well as cable preparation tools.

Coax Cable			Connectors				Cable Prep Tool	
Nominal Diameter	Discontinued	Replaced By	4.3-10 Female	4.3-10 Male	7-16 DIN Female	7-16 DIN Male	4.3-10 Series	7-16 DIN Series
1/2"	CR50 540 PE	LDF4-50A	N/A	L4HM-D	L4TDF-PSA	L4TDM-PSA	CPT-L4-D	CPT-12U
	FXL-540	LDF4-50A	N/A	L4HM-D	L4TDF-PSA	L4TDM-PSA	CPT-L4-D	CPT-12U
	Any FXL540 variant	LDF4-50A	N/A	L4HM-D	L4TDF-PSA	L4TDM-PSA	CPT-L4-D	CPT-12U
	SFX-500	FSJ4-50B	N/A	F4HM-D	F4PDF-C	F4PDMV2-C	CPT-F4-D	CPT-F4B
7/8"	CR 50 1070 PE	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
	FXL-780	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
	Any FXL1070 variant	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
	LDF5-50A	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
	LDF5-50A*	N/A	L5HF-S	L5HM-S	N/A	N/A	MCPT-L5-S	N/A
	AVA5-50FX	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
	VXL5-50	AVA5-50	A5HF-D	A5HM-D	AL5DF-PSA	AL5DM-PSA	MCPT-A5-D	CPT-78U
1 1/4"	FXL-1480	AVA6-50	A6HF-S	A6HM-S	AL6DF-PSA	AL6DM-PSA	MCPT-114158-S	CPT-114U
	Any FXL1480 variant	AVA6-50	A6HF-S	A6HM-S	AL6DF-PSA	AL6DM-PSA	MCPT-114158-S	CPT-114U
	LDF6-50	AVA6-50	A6HF-S	A6HM-S	AL6DF-PSA	AL6DM-PSA	MCPT-114158-S	CPT-114U
	VXL6-50	AVA6-50	A6HF-S	A6HM-S	AL6DF-PSA	AL6DM-PSA	MCPT-114158-S	CPT-114U
1 5/8"	CR 50 1873 PE	AVA7-50	A7HF-S	A7HM-S	AL7DF-PSA	AL7DM-PSA	MCPT-114158-S	CPT-158U
	FXL-1873	AVA7-50	A7HF-S	A7HM-S	AL7DF-PSA	AL7DM-PSA	MCPT-114158-S	CPT-158U
	Any FXL1873 variant	AVA7-50	A7HF-S	A7HM-S	AL7DF-PSA	AL7DM-PSA	MCPT-114158-S	CPT-158U
	LDF7-50A	AVA7-50	A7HF-S	A7HM-S	AL7DF-PSA	AL7DM-PSA	MCPT-114158-S	CPT-158U
	VXL7-50	AVA7-50	A7HF-S	A7HM-S	AL7DF-PSA	AL7DM-PSA	MCPT-114158-S	CPT-158U

* When retrofitting LDF5-50A, 4.3-10 connectors and tools are available.

SureFlex® Cable Assemblies

SureFlex® cable and connectors are physically bonded to create an assembly that delivers outstanding RF results where they matter most: passive intermodulation (PIM), voltage standing wave ratio (VSWR), and distance-to-fault (DTF).

CommScope tests each assembly for PIM, VSWR and DTF—sharing the results on [WebTrak®](#).

Features

- 4.3-10 jumpers ideal for base stations, DAS, small cells and other applications
- Lightweight and super flexible - suited for tight spaces or repeated bends
- Excellent PIM performance
- Easy installation

SureFlex Cable Assemblies; Superflexible 1/4-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
SureFlex Cable Assemblies			
With superflexible 1/4-Inch FSJ1-50A cable			
4.3-10 Male to 4.3-10 Male	3'	F1A-HMMH-3-AT	ANT.16071
	5'	F1A-HMMH-5-AT	ANT.16072
	7'	F1A-HMMH-7-AT	ANT.16073
	10'	F1A-HMMH-10-AT	ANT.16074
	15'	F1A-HMMH-15-AT	ANT.16075
	20'	F1A-HMMH-20-AT	ANT.16076
	25'	F1A-HMMH-25-AT	ANT.16077
4.3-10 Male to 4.3-10 Male Right Angle	3'	F1A-HMHR-3-AT	ANT.16078
	5'	F1A-HMHR-5-AT	ANT.16079
	7'	F1A-HMHR-7-AT	ANT.16080
	10'	F1A-HMHR-10-AT	ANT.16081
	15'	F1A-HMHR-15-AT	ANT.16082
	20'	F1A-HMHR-20-AT	ANT.16083
	25'	F1A-HMHR-25-AT	ANT.16084
4.3-10 Male Right Angle to 4.3-10 Male Right Angle	3'	F1A-HRHR-3-AT	ANT.16085

SureFlex Cable Assemblies; Superflexible 1/2-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
SureFlex Cable Assemblies			
With superflexible 1/2-Inch FSJ4-50B cable			
7-16 DIN Male to 7-16 DIN Male	2'	F4A-DMDM-2-P	ANT.10552
	3'	F4A-DMDM-3-P	ANT.10591
	4'	F4A-DMDM-4-P	ANT.10618
	6'	F4A-DMDM-6-P	ANT.10663
	8'	F4A-DMDM-8-P	ANT.10674
	10'	F4A-DMDM-10-P	ANT.10679
	12'	F4A-DMDM-12-P	ANT.10748
	15'	F4A-DMDM-15-P	ANT.10750
	20'	F4A-DMDM-20-P	ANT.10769
	30'	F4A-DMDM-30-P	ANT.10899
7-16 DIN Male to 7-16 DIN Male Right Angle	10'	F4A-DMDR-10-P	ANT.14151
	15'	F4A-DMDR-15-P	ANT.14152
	20'	F4A-DMDR-20-P	ANT.12268
	25'	F4A-DMDR-25-P	ANT.12269
	30'	F4A-DMDR-30-P	ANT.12081



7-16 DIN Male to 7-16 DIN Male
(F4A-DMDM-x-P)



7-16 DIN Male to 7-16 DIN Male Right Angle
(F4A-DMDR-x-P)

D-CLASS SureFlex Cable Assemblies; Superflexible 1/2-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
D-CLASS SureFlex Cable Assemblies With superflexible 1/2-Inch FSJ4-50B cable			
4.3-10 Male to 7-16 DIN Male	2'	F4-HMDM-2-D	CEQ.15648
	3'	F4-HMDM-3-D	CEQ.15649
	4'	F4-HMDM-4-D	CEQ.18529
	6'	F4-HMDM-6-D	CEQ.15651
	8'	F4-HMDM-8-D	CEQ.15653
	10'	F4-HMDM-10-D	CEQ.15654
	12'	F4-HMDM-12-D	CEQ.15661
	15'	F4-HMDM-15-D	CEQ.15664
	20'	F4-HMDM-20-D	CEQ.15670
	25'	F4-HMDM-25-D	CEQ.18530
	30'	F4-HMDM-30-D	CEQ.15648
4.3-10 Male Right Angle to 7-16 DIN Male	10'	F4-HRDM-10-D	CEQ.15691
	15'	F4-HRDM-15-D	CEQ.15693
	20'	F4-HRDM-20-D	CEQ.15694
	25'	F4-HRDM-25-D	CEQ.15695
	30'	F4-HRDM-30-D	CEQ.15697
4.3-10 Male to 7-16 DIN Male Right Angle	10'	F4-HMDR-10-D	CEQ.15679
	15'	F4-HMDR-15-D	CEQ.15681
	20'	F4-HMDR-20-D	CEQ.15685
	25'	F4-HMDR-25-D	CEQ.15687
	30'	F4-HMDR-30-D	CEQ.15689
4.3-10 Male to 4.3-10 Male	2'	F4-HMHM-2-D	CEQ.15636
	3'	F4-HMHM-3-D	CEQ.15639
	4'	F4-HMHM-4-D	CEQ.15640
	6'	F4-HMHM-6-D	CEQ.15641
	8'	F4-HMHM-8-D	CEQ.15642
	10'	F4-HMHM-10-D	CEQ.15643
	12'	F4-HMHM-12-D	CEQ.15644
	15'	F4-HMHM-15-D	CEQ.15645
	20'	F4-HMHM-20-D	CEQ.15646
	25'	F4-HMHM-25-D	CEQ.18531
	30'	F4-HMHM-30-D	CEQ.15636
4.3-10 Male Right Angle to 4.3-10 Male Right Angle	10'	F4-HRHR-10-D	CEQ.15674
	15'	F4-HRHR-15-D	CEQ.15675
	20'	F4-HRHR-20-D	CEQ.15676
	25'	F4-HRHR-25-D	CEQ.15677
	30'	F4-HRHR-30-D	CEQ.15678

SureFlex Cable Assemblies; Standard 1/2-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
SureFlex Cable Assemblies			
With standard 1/2-Inch LDF4-50A cable			
7-16 DIN Male to 7-16 DIN Male	3'	L4A-DMDM-3-P	ANT.10543
	4'	L4A-DMDM-4-P	ANT.10544
	6'	L4A-DMDM-6-P	ANT.10545
	8'	L4A-DMDM-8-P	ANT.10546
	10'	L4A-DMDM-10-P	ANT.10547
	12'	L4A-DMDM-12-P	ANT.14153
	15'	L4A-DMDM-15-P	ANT.14154
	20'	L4A-DMDM-20-P	ANT.14155
	30'	L4A-DMDM-30-P	ANT.14183
	40'	L4A-DMDM-40-P	ANT.14184
	60'	L4A-DMDM-60-P	ANT.14185
7-16 DIN Male to 7-16 DIN Male Right Angle	6'	L4A-DMDR-6-P	ANT.14156
	8'	L4A-DMDR-8-P	ANT.14157
	10'	L4A-DMDR-10-P	ANT.14158
	15'	L4A-DMDR-15-P	ANT.14159
	20'	L4A-DMDR-20-P	ANT.14160
SureFlex Cable Assemblies			
With standard 1/2-Inch LDF4-50A cable and SureGuard® weatherproofing			
7-16 DIN Male to 7-16 DIN Male	3'	L4A-DMDM-3-P-SGW	CEQ.14683
	4'	L4A-DMDM-4-P-SGW	CEQ.14684
	6'	L4A-DMDM-6-P-SGW	CEQ.14685
	8'	L4A-DMDM-8-P-SGW	CEQ.14686
	10'	L4A-DMDM-10-P-SGW	CEQ.14687
	12'	L4A-DMDM-12-P-SGW	CEQ.14688
	15'	L4A-DMDM-15-P-SGW	CEQ.14689
	20'	L4A-DMDM-20-P-SGW	CEQ.14690
7-16 DIN Male to 7-16 DIN Male Right Angle	6'	L4A-DMDR-6-P-SGW	CEQ.14696
	8'	L4A-DMDR-8-P-SGW	CEQ.14697
	10'	L4A-DMDR-10-P-SGW	CEQ.14699
	15'	L4A-DMDR-15-P-SGW	CEQ.14700
	20'	L4A-DMDR-20-P-SGW	CEQ.14701



7-16 DIN Male to 7-16 DIN Male
(L4A-DMDM-x-P)



7-16 DIN Male to 7-16 DIN Male Right Angle
(L4A-DMDR-x-P)

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
D-CLASS SureFlex Cable Assemblies With standard 1/2-Inch LDF4-50A cable			
4, 3-10 Male to 7-16 DIN Male	3'	L4-HMDM-3-D	CEQ.15709
	4'	L4-HMDM-4-D	CEQ.15710
	6'	L4-HMDM-6-D	CEQ.15711
	8'	L4-HMDM-8-D	CEQ.15712
	10'	L4-HMDM-10-D	CEQ.15662
	12'	L4-HMDM-12-D	CEQ.15663
	15'	L4-HMDM-15-D	CEQ.15665
	20'	L4-HMDM-20-D	CEQ.15666
	25'	L4-HMDM-25-D	CEQ.15667
	30'	L4-HMDM-30-D	CEQ.15668
4, 3-10 Male to 7-16 DIN Male Right Angle	6'	L4-HMDR-6-D	CEQ.15690
	8'	L4-HMDR-8-D	CEQ.15692
	10'	L4-HMDR-10-D	CEQ.15713
	15'	L4-HMDR-15-D	CEQ.15714
	20'	L4-HMDR-20-D	CEQ.15715
4, 3-10 Male Right Angle to 7-16 DIN Male	6'	L4-HRDM-6-D	CEQ.15716
	8'	L4-HRDM-8-D	CEQ.15717
	10'	L4-HRDM-10-D	CEQ.15718
	15'	L4-HRDM-15-D	CEQ.15719
	20'	L4-HRDM-20-D	CEQ.15720
4, 3-10 Male to 4, 3-10 Male	3'	L4-HMHM-3-D	CEQ.15698
	4'	L4-HMHM-4-D	CEQ.15699
	6'	L4-HMHM-6-D	CEQ.15701
	8'	L4-HMHM-8-D	CEQ.15702
	10'	L4-HMHM-10-D	CEQ.15703
	12'	L4-HMHM-12-D	CEQ.15704
	15'	L4-HMHM-15-D	CEQ.15705
	20'	L4-HMHM-20-D	CEQ.15706
	25'	L4-HMHM-25-D	CEQ.15707
	30'	L4-HMHM-30-D	CEQ.15708
4, 3-10 Male Right Angle to 4, 3-10 Male Right Angle	6'	L4-HRHR-6-D	CEQ.15669
	8'	L4-HRHR-8-D	CEQ.15672
	10'	L4-HRHR-10-D	CEQ.15673
	15'	L4-HRHR-15-D	CEQ.15686
	20'	L4-HRHR-20-D	CEQ.15688

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable

Ordering Information

Description	Cable Length (feet)	Part Number	AT&T Item #
D-CLASS SureFlex Cable Assemblies			
With standard 1/2-Inch LDF4-50A cable and SureGuard weatherproofing			
4.3-10 Male to 7-16 DIN Male	3'	L4-HMDM-3-SGW-D	CEQ.15732
	4'	L4-HMDM-4-SGW-D	CEQ.15733
	6'	L4-HMDM-6-SGW-D	CEQ.15734
	8'	L4-HMDM-8-SGW-D	CEQ.15736
	10'	L4-HMDM-10-SGW-D	CEQ.15737
	12'	L4-HMDM-12-SGW-D	CEQ.15740
	15'	L4-HMDM-15-SGW-D	CEQ.15743
	20'	L4-HMDM-20-SGW-D	CEQ.15745
	25'	L4-HMDM-25-SGW-D	CEQ.15748
	30'	L4-HMDM-30-SGW-D	CEQ.15730
4.3-10 Male to 4.3-10 Male	3'	L4-HMHM-3-SGW-D	CEQ.15721
	4'	L4-HMHM-4-SGW-D	CEQ.15722
	6'	L4-HMHM-6-SGW-D	CEQ.15723
	8'	L4-HMHM-8-SGW-D	CEQ.15724
	10'	L4-HMHM-10-SGW-D	CEQ.15725
	12'	L4-HMHM-12-SGW-D	CEQ.15726
	15'	L4-HMHM-15-SGW-D	CEQ.15727
	20'	L4-HMHM-20-SGW-D	CEQ.15728
	25'	L4-HMHM-25-SGW-D	CEQ.15729
	30'	L4-HMHM-30-SGW-D	CEQ.15730



4.3-10 Male to 4.3-10 Male
(L4-HMHM-x-SGW-D)

50 Ohm Coaxial Cables

Ordering Information

Description	Cable Size	Part Number	AT&T Item #
50 Ohm Coaxial Cables, Corrugated Copper			
HELIAX Superflexible Foam Coaxial Cable Black, PE Jacket	1/2"	FSJ4-50B	ANT.13034
HELIAX Low Density Foam Coaxial Cable Black, PE Jacket	1/2"	LDF4-50A	ANT.13042
	5/8"	LDF4.5-50	CEQ.21499
Andrew Virtual Air™ Coaxial Cable Black, PE Jacket	7/8"	AVA5-50	ANT.10785
	1-1/4"	AVA6-50	ANT.13553
	1-5/8"	AVA7-50	ANT.10786



AVA5-50

50 Ohm Connectors

Ordering Information

Cable Size	Cable Type	Connector Type	Connector Part Number	AT&T Item #	Cable Prep Tool Used	Coupling Nut Torque Tool Used
50 Ohm Connectors						
1/2"	Standard; LDF4-50A	4.3-10 Male	L4HM-D	ANT.15700	CPT-L4-D	TW-4310
		7-16 DIN Male	L4TDM-PSA	ANT.12783	CPT-12U	244377
		7-16 DIN Female	L4TDF-PSA	-		NA
		7-16 DIN Male, Right Angle	L4DR-PS	ANT.10026		244377
		N Male	L4TNM-PSA	ANT.12093		244379
		N Female	L4TNF-PSA	CEQ.15219		NA
	Superflexible; FSJ4-50B	4.3-10 Male	F4HM-D	ANT.16109	CPT-F4-D	TW-4310
		7-16 DIN Male	F4PDMV2-C	CEQ.19711	CPT-F4B	244377
		7-16 DIN Female	F4PDF-C	CEQ.19719		NA
		7-16 DIN Male, Right Angle	F4DR-C	ANT.14694		244377
		N Male	F4PNMV2-HC	CEQ.21797		244379
		N Female	F4PNF-C	CEQ.23279		NA
5/8"	Standard; LDF4.5-50	7-16 DIN Male	L4.5PDM-RC	-	CPT-L45RC	244377
		N Male	L4.5PNM-RC	CEQ.23075		244379
		N Female	L4.5PNF-RC	CEQ.73412		NA
7/8"	AVA5-50 or AVA5-50FX	4.3-10 Male	A5HM-D	CEQ.16726	MCPTA5-D	TW-4310/TT-4310
	AVA5-50 Only	4.3-10 Female	A5HF-D	CEQ.16725		NA
		7-16 DIN Male	A5DM-D	CEQ.16722		244377
		7-16 DIN Female	A5DF-D	CEQ.16721		NA
		N Male	A5NM-S	CEQ.16724		244379
		N Female	A5NF-S	CEQ.16723		NA
		7-16 DIN Male	AL5DM-PSA	-	CPT-78U	244377
		7-16 DIN Female	AL5DF-PSA	ANT.12724		NA
		7-16 DIN Female	78EZDF	ANT.13760	A5FX-EZPT	244377
1-1/4"	Standard; AVA6-50	7-16 DIN Male	AL6DM-PSA	-	CPT-114U	244377
1-5/8"	Standard	7-16 DIN Male	AL7DM-PSA	-	CPT-158U	244377
		7-16 DIN Female	AL7DF-PSA	ANT.13024		NA
		N Male	AL7NM-PSA	-		244379
		N Female	AL7NF-PSA	-		NA



1/2" Connector
(L4TDF-PSA)



1/2" Connector
(F4PNMV2-HC)



5/8" Connector
(L4.5PNF-RC)



7/8" Connector
(A5HF-D)



7/8" Connector
(AL5DM-PSA)



1-1/4" Connector
(AL6DM-PSA)



1-5/8" Connector
(AL7DF-PSA)

Tools

Ordering Information

Description	Used with Cable Type	Connector Type	Part Number
Manual Cable Preparation Tools Prepares coaxial cable for connector attachment	1/4" cable; FSJ4-50B	F4-V2 Series connectors only	MCPT-1412
	1/2" cable; LDF4-50A	LDF4 Positive Stop® (-PS & -PSA) only	MCPT-L4
	7/8" cable; AVA5-50/AVA5-50FX	A5 Series connectors only	MCPT-A5-D
Automated Cable Preparation Tools Used with standard drill to prepare coaxial cable for connector attachment	1/2" cable; LDF4-50A	LDF4 Positive Stop (-PS & -PSA) only	CPT-12U
		LDF4 Connectors ending in -D only	CPT-L4-D
	1/2" cable; FSJ4-50B	F4-V2 Series connectors only	CPT-F4B
		FSJ4 Connectors ending in -D only	CPT-F4-D
	1-1/4" cable; AVA6-50	114 EZfit Series connectors only	A6-EZPT
	1-5/8" cable; AVA7-50	158 EZfit Series connectors only	A7-EZPT
EZfit® Manual Cable Preparation Tools	7/8" cable; AVA5-50	78 EZfit Series connectors only	78-HPT
EZfit Automated Cable Preparation Tools	7/8" cable; AVA5-50/AVA5-50FX	EZfit Series connectors only	A5FX-EZPT
	1-1/4" cable; AVA6-50	114 EZfit Series connectors only	A6-EZPT
	1-5/8" cable; AVA7-50	158 EZfit Series connectors only	A7-EZPT



Manual Tool
(MCPT-1412)



Automatic Tool
(CPT-)

Description	Used with Connector Type	Part Number
Connector Torque Tools		
Coupling nut tightening tool	SureFlex 4.3-10 straight male jumpers	TT-4310
Torque wrenches	4.310 connectors	TW-4310
	7-16 DIN connectors	244377
	Type N connectors	244379



Tightening Tool
(TT-4310)



Torque Wrench
(TW-4310)

Replacement Blade Kits

Ordering Information

Description	Part Number
Replacement Blade Kits	
For cable preparation tools	
Use with CPT-F4B & CPT-F4-D only	CPT-BKSF4
Use with CPT-12U & CPT-L4-D only	CPT-BK12U
Use with A5FX-EZPT only	BK-A5FXEZPTJC
Use with A6-EZPT only	BK-A6A7EZPTJC
Use with A7-EZPT only	

Grounding Kits

Ordering Information

Description	Grounding Lead Wire	Lug	Part Number
Grounding Kits			
For 1/4" and 3/8" Coaxial Cable	24"	Attached	223158-2
For 1/2" Coaxial Cable	24"	Attached	SG12-06B2A
	48"	Field Attach	SG12-12B2U
For 7/8" Coaxial Cable	24"	Attached	SG78-06B2A
	48"	Field Attach	SG78-12B2U
For 1-1/4" Coaxial Cable	24"	Attached	SG114-06B2A
	48"	Field Attach	SG114-12B2U
For 1-5/8" Coaxial Cable	24"	Attached	SG158-06B2A
	48"	Field Attach	SG158-12B2U
Universal Grounding Kit For 1/2" through 1-5/8" corrugated and smoothwall coaxial cable, elliptical waveguide 63 through 180 and FiberFeed Hybrid cables			UG12158-15B4-T



Grounding Kit
(SG12-06B2A)



Universal Grounding Kit
(UG12158-15B4-T)

Hangers

Ordering Information

Description	Part Number
Butterfly Hanger (10 pieces)	
For 1/2" or 3/8" coaxial cable and elliptical waveguide 180, 220, and 240	43211A
For 7/8" coaxial cable and elliptical waveguide 85 and 90	42396A-5
For 1-1/4" coaxial cable	42396A-1
For 1-5/8" coaxial cable	42396A-2
SnapStak® Hanger (10 pieces)	
For 1/2" coaxial cable	SSH-12
For 7/8" coaxial cable	SSH-78
For 1-1/4" coaxial cable	SSH-114
For 1-5/8" coaxial cable	SSH-158



Butterfly Hanger
(42396A-5)



SnapStak Hanger
(SSH-12)



Double Block Hanger
(BHD-12)



Single Block Hanger
(BHS-114)

Description	Part Number	AT&T Item #
Double Block Hangers (10 pieces)		
For 4MM cable	BHD-4MM	
For 1/4" cable	BHD-14	
For 3/8" cable	BHD-38	
For SuperFlex 1/2" cable	BHD-12S	
For 1/2" cable	BHD-12	
For 7/8" cable	BHD-78	ANT.16491
For 1-1/4" cable	BHD-114	ANT.16490
For 1-5/8" cable	BHD-158	
Single Block Hangers (10 pieces)		
For 1-1/4" cable	BHS-114	
For 1-5/8" cable	BHS-158	

Protective Cap Kits

Ordering Information

Description	Part Number	AT&T Item #
Protective Cap Kits		
Male interface, mates on female connector		
4.3-10 female end cap	SMALL-CAPKIT	-
7-16 DIN female end cap	DF-CAPKIT	ANT.14488



4.3-10 Female End Cap
SMALL-CAPKIT

Surge Arrestors

Ordering Information

Description	Part Number	AT&T Item #
Dual Band Bias Tee Surge Arrestors		
DIN-F/DIN-M	ABT-DFDM-ADBH	ANT.11264
DIN-M/DIN-F	ABT-DMDF-ADBH	ANT.12806
Arrestor Plus® LTE Band Quarterwave Surge Arrestor		
DIN-F Bulkhead/DIN-M	APTDC-BDFDM-DB	ANT.11174



DIN-F / DIN-M
(ABT-DFDM-ADBH)



DIN-M / DIN-F
(ABT-DMDF-ADBH)



DIN-F Bulkhead / DIN-M
(APTDC-BDFDM-DB)

Hardware Kits

Ordering Information

Description	Part Number
Hardware Kits	
Hanger reinforcement bar for SnapStak hangers (10 pieces)	SSHR-10
Includes 3/8" threaded rod, ceiling mounting plate, nuts and washers (5 pieces)	31771-4
Includes 3/8" hex head bolts and hardware	31769-1
For 1/2" or 7/8" block hangers, single stack	243095-9
For 1/2" or 7/8" block hangers, double stack	243095-5
For 1/2" or 7/8" block hangers, triple stack	243095-1
For 1-1/4" or 1-5/8" block hangers, single stack	243095-10
For 1-1/4" or 1-5/8" block hangers, double stack	243095-6
For 1-1/4" or 1-5/8" block hangers, triple stack	243095-2



Hardware Kit
(31771-4)



Hardware Kit
(243095-5)

Installation Accessories

Ordering Information

Description	Part Number
Adapters	
Angle, standard 3/8" tapped hole	31768A
Angle, universal snap-in, 3/4" hole	UA-3
3-way snap-in, stand-off for 2"-3" round members	STS3-23
3-way, stand-off for 1.5"-3" round members	TTS3-153
SnapSeal™ Entry Cushions	
4 holes for 1/2" coaxial cable	SEC-412
3 holes for 7/8" coaxial cable	SEC-378
1 hole for 1-5/8" coaxial cable	SEC-1158
Lace-Up Hoisting Grips	
For 7/8" coaxial cable, elliptical waveguide 77, and HELIAX FiberFeed Hybrid cable	19256B
For 1-5/8" coaxial cable and elliptical waveguide 44, 52, and 63	24312A
Support Hoisting Grips	
For 7/8" coaxial cable	L5SGRIP
For 1-1/4" coaxial cable	L6SGRIP
For 1-5/8" coaxial cable	L7SGRIP
Tape and Weatherproofing Kit	
Black self-fusing tape, 15 feet	FT-TB
Weatherproofing kit for connectors and splice Includes (6) 2-1/2" butyl rubber rolls and (2) 3/4" and (1) 2" PVC tape rolls	221213
Cold Shrink™ Kit for power cable connectors	CS-PWRCN



Microwave Antenna Systems

CommScope offers a complete family of microwave antenna system solutions that work seamlessly together. We manufacture a full line of terrestrial microwave (TMVV) antennas for applications such as fixed-line telecommunications networks, broadband wireless and wireless infrastructure — together with all the ancillaries needed to connect your radio equipment to the antenna interface.

6 GHz and 11 GHz Ultra High Performance Shielded Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
6 GHz Ultra High Performance Parabolic Shielded (UHP and UHX Series)						
Gray antenna, white radome						
Single-polarized	5.925–7.125 GHz	PDR70	6′	39.3	UHP6-59W-D3A/B	
			8′	41.9	UHP8-59W-D3A	
		CPR137G	6′	39.3	UHP6-59W-P3A/B	
			8′	41.9	UHP8-59W-P3A	
Dual-polarized	5.925–6.425 GHz	PDR70	6′	38.8	UHX6-59-D3A/L	MIC.10396
			8′	41.3	UHX8-59-D3A	MIC.10395
			10′	43.2	UHX10-59-D3A	MIC.10464
		CPR137G	6′	38.8	UHX6-59-P3A/L	MIC.05315
			8′	41.3	UHX8-59-P3A	MIC.03054
			10′	43.2	UHX10-59-P3A	MIC.04929
	5.925–7.125 GHz & 5.725–5.85 GHz	PDR70	6′	38.8	UHX6-59W-D3A/B	
			8′	41.7	UHX8-59W-D3A	
		CPR137G	6′	38.8	UHX6-59W-P3A/B	
			8′	41.7	UHX8-59W-P3A	MIC.10178
			10′	43.2	UHX10-59W-P3A	MIC.10387
		6.425–7.125 GHz	PDR70	6′	39.5	UHX6-65-D3A/F
	8′			42.0	UHX8-65-D3A	MIC.10473
	CPR137G		6′	39.5	UHX6-65-P3A/F	MIC.10474
			8′	42.0	UHX8-65-P3A	MIC.03198
	11 GHz Ultra High Performance Parabolic Shielded (UHP and UHX Series)					
Gray antenna, white radome						
Dual-polarized	10.700–11.700 GHz	CPR90G	6′	44.0	UHX6-107-P3A/K	MIC.05323
			8′	46.5	UHX8-107-P3A	MIC.04696
		PDR100	8′	46.5	UHX8-107-D3A	MIC.10456

Note: UHX Series antennas can be installed as either right or left beam forming feed.

4.9 GHz Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
4.9 GHz Antennas					
Gray antenna, white radome					
Single-polarized Shielded	PDR48	4'	32.6	HP4-44-D3A/B	
		6'	32.6	HP6-44-D1A/G	
		8'	39.3	HP8-44-D1A	
	CPR187G	6'	36.6	HP6-44-P3A/G	
		8'	39.3	HP8-44-P1A	
Dual-polarized Shielded	PDR48	4'	32.6	HPX4-44-D3A/A	
		6'	36.6	HPX6-44-D1A/F	
		8'	39.1	HPX8-44-D3A	
	CPR187G	6'	36.6	HPX6-44-P3A/F	
		8'	39.1	HPX8-44-P3A	

5.8 GHz Unlicensed Frequency Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
5.8 GHz Unlicensed Frequency, Unshielded, Unpressurized Antennas					
Gray antenna with flash, no radome					
Single-polarized Unshielded	N Female	4'	34.9	P4F-52-N7A/A	
		6'	37.6	P6F-52-N7A/A	
Dual-polarized Unshielded	N Female	4'	34.9	PX4F-52-N7A/A	
		6'	37.6	PX4F-52-NXA/A*	
				PX6F-52-N7A/A	

* Gray antenna and molded gray radome with flash

6 GHz Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
6 GHz Antennas						
Gray antenna, white radome						
Single-polarized Shielded	5.725–6.425 GHz	PDR70	4'	35.0	HP4-57W-D3A/A	
			8'	41.2	HP8-57W-D3A	
		CPR137G	4'	35.0	HP4-57W-P3A/A	
			6'	38.5	HP6-57W-P3A/A	
			8'	41.2	HP8-57W-P3A	
	5.925–6.425 GHz	PDR70	6'	38.9	HP6-59-D3A/K	
			8'	41.5	HP8-59-D3A	
		CPR137G	6'	38.9	HP6-59-P3A/K	
			8'	41.5	HP8-59-P3A	
	5.925–7.125 GHz	PDR70	8'	41.9	HP8-59W-D1A	
		CPR137G	6'	39.4	HP6-59W-P3A/C	
			8'	41.9	HP8-59W-P3A	
Single-polarized Unshielded	5.725–6.425 GHz	CPR137G	4'	35.0	P4-57W-P7A/A	
	8'		41.2	PL8-57W-P7A		
	5.925–6.425 GHz	CPR137G	8'	40.8	PAR8-59-P7A	
5.925–7.125 GHz	CPR137G	8'	41.0	PAR8-59W-P7A		
Single-polarized Unshielded Unpressurized	5.725–6.425 GHz	N Female	4'	35.0	P4F-57W-N7A/A	
			6'	38.5	P6F-57W-N7A/A	
			8'	41.2	P8F-57W-N7A	
Dual-polarized Shielded	5.925–6.425 GHz	PDR70	4'	41.3	HPX4-59-D3A/A	
			6'	38.8	HPX6-59-D3A/K	
			8'	41.3	HPX8-59-D3A	
		CPR137G	4'	41.3	HPX4-59-P3A/A	
			6'	38.8	HPX6-59-P3A/K	
			8'	41.3	HPX8-59-P3A	
	5.925–7.125 GHz	PDR70	8'	42.1	VHPX8-6W-4GR	
			10'	43.5	VHPX10-6W-4GR	
		CPR137G	8'	42.1	VHPX8-6W-6GR	
10'			43.5	VHPX10-6W-6GR		
Dual-polarized Unshielded	5.925–6.425 GHz	PDR70	8'	40.2	PARX8-59-D7A	
		CPR137G	8'	40.2	PARX8-59-P7A	
	5.925–7.125 GHz	PDR70	8'	40.7	PARX8-59W-D7A	
		CPR137G	8'	40.7	PARX8-59W-P7A	

Note: Unshielded antennas have gray antenna and no radome.

Continued on the following page.

6 GHz Antennas continued

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
6 GHz Antennas					
Gray antenna, white radome					
Single-polarized Shielded	PDR70	4'	36.0	HP4-65-D3A/C	
		8'	42.3	HP8-65-D3A	
	CPR137G	4'	36.0	HP4-65-P3A/C	
		6'	39.8	HP6-65-P3A/K	
		8'	42.3	HP8-65-P3A	
Single-polarized Unshielded	PDR70	8'	40.8	PAR8-65-D7A	
	CPR137G	8'	40.8	PAR8-65-P7A	
Dual-polarized Shielded	PDR70	4'	35.9	HPX4-65-D3A/B	
		6'	39.5	HPX6-65-D3A/F	
		8'	42.0	HPX8-65-D3A	
	CPR137G	4'	35.9	HPX4-65-P3A/B	
		6'	39.5	HPX6-65-P3A/F	
		8'	42.0	HPX8-65-P3A	
Dual-polarized Unshielded	PDR70	8'	41.2	PARX8-65-D7A	
	CPR137G	8'	41.2	PARX8-65-P7A	

Note: Unshielded antennas have gray antenna and no radome.

6 GHz Low Profile Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
6 GHz Low Profile Antennas					
White antenna, light gray radome					
Single-polarized	PDR70	3'	33.3	VHLP3-6W-4WH/A	
		4'	35.5	VHLP4-6W-4WH/C	
		6'	39.0	VHLP6-6W-4WH/B	
	CPR137G	3'	33.3	VHLP3-6W-6WH/A	
		4'	35.5	VHLP4-6W-6WH/C	
		6'	39.0	VHLP6-6W-6WH/B	
Dual-polarized	PDR70	3'	33.3	VHLPX3-6W-4WH/A	
		4'	35.5	VHLPX4-6W-4WH/C	
		6'	39.0	VHLPX6-6W-4WH/B	
	CPR137G	3'	33.3	VHLPX3-6W-6WH/A	
		4'	35.5	VHLPX4-6W-6WH/C	

11 GHz Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
11 GHz Antennas					
Gray antenna, white radome					
Single-polarized Shielded	PDR100	4'	40.4	HP4-107-D3A/B	
		8'	46.4	HP8-107-D3A	
	CPR90G	4'	40.4	HP4-107-P3A/B	
		6'	44.0	HP6-107-P3A/H	
		8'	46.4	HP8-107-P3A	
Single-polarized Unshielded	CPR90G	8'	46.2	PAR8-107-P7A	
Dual-polarized Shielded	CPR90G	4'	40.3	HPX4-107-P3A/B	
		6'	44.0	HPX6-107-P3A/F	
		8'	46.4	HPX8-107-P3A	

Note: Unshielded antennas have gray antenna and no radome.

11 GHz Low Profile Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
11 GHz Low Profile Antennas					
White antenna, light gray radome					
Single-polarized	PDR100	2'	34.5	VHLP2-11W-4WH/A	
		3'	38.4	VHLP3-11W-4WH/A	
		4'	40.7	VHLP4-11W-4WH/A	
	CPR90G	2'	34.5	VHLP2-11W-6WH/A	
		3'	38.4	VHLP3-11W-6WH/A	
		4'	40.7	VHLP4-11W-6WH/A	
Dual-polarized	PDR100	2'	34.5	VHLPX2-11W-4WH/A	
		3'	38.4	VHLPX3-11W-4WH/A	MIC.10470
		4'	40.7	VHLPX4-11W-4WH/A	
	CPR90G	2'	34.5	VHLPX2-11W-6WH/A	
		3'	38.4	VHLPX3-11W-6WH/A	MIC.10466
		4'	40.7	VHLPX4-11W-6WH/A	

18 GHz Low Profile Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
18 GHz Low Profile Antennas						
White antenna, light gray radome						
Single-polarized	17.700–19.700 GHz	UG-595	1′	34.6	VHLP1-18-1WH/F	
		UG-595/U	2′	39.0	VHLP2-18-1WH/C	
			3′	43.5	VHLP3-18-1WH/A	
			4′	44.7	VHLP4-18-1WH/C	
			6′	48.0	VHLP6-18-1WH/B	
		PBR220	1′	34.6	VHLP1-18-2WH/F	
			2′	39.0	VHLP2-18-2WH/C	
			3′	43.5	VHLP3-18-2WH/A	
			4′	44.7	VHLP4-18-2WH/C	
			6′	48.0	VHLP6-18-2WH/B	
		UBR220	1′	34.6	VHLP1-18-3WH/F	
Dual-polarized	17.700–19.700 GHz	UG-595/U Modified	1′	34.6	VHLPX1-18-1WH/F	
			2′	39.0	VHLPX2-18-1WH/C	
			3′	43.5	VHLPX3-18-1WH/A	
			4′	44.7	VHLPX4-18-1WH/C	
			6′	47.6	VHLPX6-18-1WH/B	
		PBR220	1′	34.6	VHLPX1-18-2WH/F	
			2′	39.0	VHLPX2-18-2WH/C	
			3′	43.5	VHLPX3-18-2WH/A	
			4′	44.7	VHLPX4-18-2WH/C	
			6′	47.6	VHLPX6-18-2WH/B	

23 GHz Low Profile Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #		
23 GHz Low Profile Antennas								
White antenna, light gray radome								
Single-polarized	21.200–23.600 GHz	UG-595	1'	35.6	VHLP1-23-1WH/C			
		UG-595/U	2'	40.7	VHLP2-23-1WH/C			
			3'	44.8	VHLP3-23-1WH/A			
			4'	46.1	VHLP4-23-1WH/C			
			6'	49.2	VHLP6-23-1WH/B			
		PBR220	1'	35.3	VHLP1-23-2WH/C			
			3'	44.8	VHLP3-23-2WH/A			
			4'	46.1	VHLP4-23-2WH/C			
			6'	49.2	VHLP6-23-2WH/B			
		Dual-polarized	21.200–23.600 GHz	UG-595/U Modified	1'	35.6	VHLPX1-23-1WH/C	
					2'	40.7	VHLPX2-23-1WH/C	
					3'	44.8	VHLPX3-23-1WH/A	
					4'	46.1	VHLPX4-23-1WH/C	
					6'	49.2	VHLPX6-23-1WH/B	
PBR220	1'			35.6	VHLPX1-23-2WH/C	MIC.10463		
	2'			40.7	VHLPX2-23-2WH/C	MIC.10434		
	3'			44.8	VHLPX3-23-2WH/A	MIC.10461		
	4'			46.1	VHLPX4-23-2WH/C			
	6'			49.2	VHLPX6-23-2WH/B			
UBR220	6'			49.2	VHLPX6-23-3WH/B			

26 GHz Low Profile Antennas

Ordering Information

Description	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #	
26 GHz Low Profile Antennas						
White antenna, light gray radome						
Single-polarized	UG-595/U	UG-595	1'	36.9	VHLP1-26-1WH/C	
		UG-595/U	2'	36.9	VHLP2-26-1WH/C	
			3'	45.8	VHLP3-26-1WH/A	
			4'	47.2	VHLP4-26-1WH/C	
	PBR220	1'	36.9	VHLP1-26-2WH/C		
		2'	42.0	VHLP2-26-2WH/C		
		3'	45.8	VHLP3-26-2WH/A		
		4'	47.2	VHLP4-26-2WH/C		
	UBR220	1'	36.9	VHLP1-26-3WH/C		
	Dual-polarized	UG-595/U	3'	45.8	VHLPX3-26-1WH/A	
4'			47.2	VHLPX4-26-1WH/C		
UG-595/U Modified		1'	36.9	VHLPX1-26-1WH/C		
		2'	42.0	VHLPX2-26-1WH/C		
PBR220		1'	36.9	VHLPX1-26-2WH/C		
		2'	42.0	VHLPX2-26-2WH/C		
		3'	45.8	VHLPX3-26-2WH/A		
		4'	47.2	VHLPX4-26-2WH/C		

28 GHz Low Profile Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
28 GHz Low Profile Antennas						
White antenna, light gray radome						
Single-polarized	27.500–29.500 GHz	UG-599	1′	38.1	VHLP1-28-1WH/B	
			2′	42.8	VHLP2-28-1WH/C	
		PBR320	1′	38.1	VHLP1-28-2WH/B	
			2′	42.8	VHLP2-28-2WH/C	
Dual-polarized	27.500–29.500 GHz	UG-599/U Modified	1′	38.1	VHLPX1-28-1WH/B	
			2′	42.8	VHLPX2-28-1WH/C	
		PBR320	1′	38.1	VHLPX1-28-2WH/B	
			2′	42.8	VHLPX2-28-2WH/C	

38 GHz Low Profile Antennas

Ordering Information

Description		Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
38 GHz Low Profile Antennas						
White antenna, light gray radome						
Single-polarized	37.000–40.000 GHz	UG-599	1′	40.1	VHLP1-38-1WH/B	
			2′	45.2	VHLP2-38-1WH/C	
		PBR320	0.67′	34.5	VHLP200-38-2WH	
			1′	40.1	VHLP1-38-2WH/B	
			2′	45.2	VHLP2-38-2WH/C	
Dual-polarized	37.000–40.000 GHz	UG-599/U Modified	1′	40.1	VHLPX1-38-1WH/B	
			2′	45.2	VHLPX2-38-1WH/C	
		PBR320	1′	40.1	VHLPX1-38-2WH/B	
			2′	45.2	VHLPX2-38-2WH/C	

High Performance Class 4 Sentinel® Antennas

Ordering Information

Description		Freq. Band (GHz)	Interface	Antenna Diameter (ft)	Gain (dBi)	Part Number	AT&T Item #
High Performance Class 4 Sentinel Antennas							
Single-polarized	5.925–7.125 GHz	6	PDR70	3'	33.6	SHP3-6W-4GR	
	10.125–11.700 GHz	11	UBR100	3'	38.4	SHP3-11W-3GR	
	17.700–19.700 GHz	18	UBR220	2'	38.9	SHP2-18-3WH/B	
				3'	43.5	SHP3-18-3GR	
	21.200–23.600 GHz	23	UBR220	1'	35.6	SHP1-23-3WH/B	
				3'	44.8	SHP3-23-3GR	
	24.250–26.500 GHz	26	UBR220	1'	36.8	SHP1-26-3WH/B	
				3'	45.8	SHP3-26-3GR	
	27.500–29.500 GHz	28	UBR320	1'	38.0	SHP1-28-3WH/B	
	37.000–40.000 GHz	38	UBR320	1'	40.1	SHP1-38-3WH/B	
				2'	45.2	SHP2-38-3WH/B	
Dual-polarized	5.925–7.125 GHz	6	PDR70	3'	33.6	SHPX3-6W-4GR	
				6'	39.4	SHPX6-6W-4GR*	
			CPR137G	6'	39.4	SHPX6-6W-6GR*	
	10.125–11.700 GHz	11	UBR100	3'	38.4	SHPX3-11W-3GR	
			CPR90G	3'	38.4	SHPX3-11W-6WH	
	17.700–19.700 GHz	18	UBR220	2'	38.9	SHPX2-18-3WH/B	
				3'	43.5	SHPX3-18-3GR	
	21.200–23.600 GHz	23	UBR220	1'	35.6	SHPX1-23-3WH/B	
				3'	44.8	SHPX3-23-3GR	
	24.250–26.500 GHz	26	UBR220	1'	36.8	SHPX1-26-3WH/B	
				3'	45.8	SHPX3-26-3GR	
	27.500–29.500 GHz	28	UBR320	1'	38.0	SHPX1-28-3WH/B	
	37.000–40.000 GHz	38	UBR320	1'	40.1	SHPX1-38-3WH/B	
				2'	45.2	SHPX2-38-3WH/B	

Note: All 3' antennas are gray with gray radome. All other antennas are white with white radome unless otherwise noted.

* Gray antenna and white radome



Elliptical Waveguide Cable and Connectors

Ordering Information

Description	Part Number	AT&T Item #
HELIAX Standard Elliptical Waveguide Cable		
Black PE jacket		
5.6–6.425 GHz	EW52	MIC.10665
5.925–7.125 GHz	EW63	CEQ.70314
10.2–11.7 GHz	EW90	MIC.04679

Ordering Information

Description	For Elliptical Waveguide	Part Number	AT&T Item #
Elliptical Waveguide Connectors			
Fixed-tuned			
CPR137G	52	252SE	MIC.03472
	63	163SE	ANT.11132
CPR90G	90	190SE	ANT.11126



Pressure Windows

Ordering Information

Description	Mates To	Part Number	AT&T Item #
Pressure Windows			
For WR137, 5.85–8.2 GHz	CPR137G	55001-137	CEQ.24198
For WR90, 8.2–12.4 GHz	CPR90G	55001-90	ANT.11127



Waveguide Tools

Ordering Information

Description	Part Number	AT&T Item #
Waveguide Bending Tool Kits		
For EW52 and EW63	EWBTK-2	MIC.10979
For EW90	EWBTK-1	pending
Waveguide Flaring Tool Kits		
For EW52	EWFTK-52	CEQ.23286
For EW63	EWFTK-63	MIC.10980
For EW90	204919	pending



Bending Tool Kit



Flaring Tool Kit

RAM Termination Loads

Ordering Information

Description	Mates To	Part Number	AT&T Item #
RAM Termination Loads			
For VHLPX antennas	PDR70/CPR137G	112614-70	MIC.10971
	PDR100/CPR90G	112614-100	MIC.10778



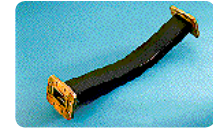
Note: RAM loads have RL of 10 dB or better. They fit all antennas with waveguide feed construction as well as next generation ValuLine antennas

Rectangular Waveguide

CommScope designs and manufactures a family of flex-twistable and rigid rectangular waveguide products that provide microwave antenna connectivity for the frequency range between 3.3 and 40 GHz. Offered for standard and low VSWR applications, our rectangular waveguides are engineered to provide exceptional low-loss electrical performance and fast, accurate installation — even in the most challenging environments.

FlexTwist Assemblies

FlexTwist waveguide components provide excellent vibration isolation and eliminate many of the installation problems caused by misalignment. Recognized for the ability to aid in positioning and aligning parabolic reflectors in line-of-sight microwave radio links they are used in a variety of military and commercial applications.



Ordering Information

Description	Flange Types	Frequency (GHz)	Length (mm)	Part Number	AT&T Item #
FlexTwist Assemblies - Indoor Applications					
WR90	CPR90G - CPR90G	8.2–12.4 GHz	1200 mm	F090CCS5	ANT.12734
WR137	CPR137G - CPR137G	5.85–8.2 GHz	1200 mm	F137CCS5	MIC.10151

Ordering Information

Description	Flange Types	Frequency (GHz)	Length	Part Number	AT&T Item #
FlexTwist Assemblies - IDU/ODU Applications					
Tin Plated Flanges					
WR137	PDR70 - PDR70	5.925 - 7.125 GHz	900 mm	250070-900-HHS-A	MIC.10973
			1200 mm	250070-1200-HHS-A	MIC.10972
WR90	PDR100 - CPR90G	8.2 - 12.4 GHz	3 ft	S090CHS3-A*	pending
	PDR100 - PDR100	8.2 - 12.4 GHz	900 mm	250100-900-HHS-A	pending
			1200 mm	250100-1200-HHS-A	MIC.10748
WR42	PBR220 - UBR220	17.7 - 26.5 GHz	3 ft	25220-KMS3-A	MIC.10747

* For use with Radiowaves antennas only.

90° H-Plane Swept Bends

Ordering Information



Description	Flange Types	Frequency (GHz)	Length (mm)	Color	Part Number	AT&T Item #
90° H-Plane Swept Bends						
WR90	PDR100 - PDR100	8.2–12.4 GHz	91 mm x 91 mm	Gray	H090MH091H091SG	MIC.10983
WR137	PDR70 - PDR70	5.85–8.2 GHz	102 mm x 102 mm	Gray	H137MH102H102SG	MIC.10987

Flex-Twist Hanger Assemblies

Ordering Information

Description	Part Number	AT&T Item #
Flex-Twist Hanger Assemblies		
For WR137	244106A-70	MIC.10976
For WR90	244106A-100	MIC.10975
For WR42	244106A-220	pending



Waveguide Accessories

Ordering Information

Description	Part Number	AT&T Item #
Adapters		
Universal snap-in angle adapter, 3/4" through hole	UA-3	-
Universal Snap-in Hangers, qty. 10		
For elliptical waveguide 52 (EW52)	EWSH-52	MIC.03439
For elliptical waveguide 63 (EW63)	EWSH-63	pending
For elliptical waveguide 90 (EW90)	EWSH-90	pending
Boot Assemblies, 4"		
For elliptical waveguide 52 (EW52)	WGB4-52	MIC.03440
For elliptical waveguide 63 (EW63)	WGB4-63	ANT.13486
For elliptical waveguide 90 (EW90)	WGB4-90	MIC.04280
Lace-up Hoisting Grips		
For elliptical waveguide 52 and 63 (EW52 and EW63)	24312A	CEQ.50299
For elliptical waveguide 90 (EW90)	29958	-
Safety Grated Waveguide Bridge Kits		
12" x 10' with (2) 13' 4" direct burial posts	WB-K110-B	pending
12" x 10' with (2) 10' 6" base shoe posts	WB-K110-S	pending
Standard Grounding Kits		
For elliptical waveguide 52 and 63 (EW52 and EW63)	220498	ANT.11544
For elliptical waveguide 90 (EW90)	241088-2	CEQ.73273



Universal Adapter
(UA-3)



Universal Snap-in Hanger
(EWSH-52)



Boot Assembly
(WGB4-52)



Lace-up Hoisting Grip
(24312A)



Waveguide Bridge Kit
(WB-K110-B)



Waveguide Bridge Kit
(WB-K110-S)



Grounding Kits

Pressurization Products

Ordering Information

Description	Part Number	AT&T Item #
Distribution Manifolds		
Wall mountable, 0–15.0 psig, 25 feet of tubing per port		
2-Port	6600D-2	
4-Port	6600D-4	
6-Port	6600D-6	
4-Port Distribution Panel		
19" rack-mount, 25 feet of tubing per port, includes installation kit		
	DP-4A-001	
Low-Pressure Tank with Regulator		
1-5 psig		
	31614-3	
Low-pressure, Adjustable Regulators		
Wall Mountable		
0 – 2.0 psig	AE01A-D1339-002	
1.0 – 5.0 psig	AE01A-D1339-001	
Heat Regenerated Dehydrators		
19" rack-mount, 3.0 kPa (0.44 psig), 48 Vdc		
With summary alarms, 150.00 SLPH, 5.30 SCFH	HR150	
With summary alarms, 300.00 SLPH, 10.60 SCFH	HR300	
No alarms	HR300-BOOST	
AC to 48 Vdc Power Converter Kit		
	HR150-KIT-ACDC	
DryLine® Dehydrators		
Low-pressure membrane, 19" rack- or wall-mount, with summary and discrete alarms		
115/230 Vac, 50/60 Hz		
3.0 psig (2-6 adjustable)	MT050C	
Cut-in at 2.0 psi, cut-out at 5.0 psi	MT500D	
Hand Pump Dehydrator		
	860G	
Static Desiccator Dehydrator with UV Filter		
	SD-003UV	



4-Port Distribution Manifold
(6600D-4)



4-Port Distribution Panel
(DP-4A-001)



Low Pressure, Adjustable Regulator
(AE01A-D1339-002)



Heat Regenerated Dehydrator
(HR150)



DryLine Dehydrator
(MT050C)



Hand Pump Dehydrator
(860G)

AT&T Ordering Guide

Structural Support Products

CommScope provides structural support solutions that deliver stability, durability and precision for the most important networks in the world. Our premium structural support solutions reinforce your structure and optimize antenna performance. As a result, these solutions help you realize significant, long-term OpEx savings.

Our support systems are suited to use on virtually any kind of tower, monopole, roof top structure or water tower. Each solution is engineered to meet or exceed the latest EIA/TIA code requirements, and conform to both ISO-9001 standards and AISC specifications. This proven excellence enables network operators to:

- Minimize or eliminate antenna misalignment
- Utilize available spectrum more efficiently
- Improve RF path integrity and overall network performance
- Increase throughput and quality of service, reducing dropped calls
- Mitigate customer churn and total cost of ownership

Although our tower mounts typically include all the parts you need for conventional installation, CommScope also offers additional components for unusual or customized mounting requirements. For example, we offer mounting components such as optional stiff arms to increase windloading capabilities and pipe adapter sets for attaching to larger pipes.

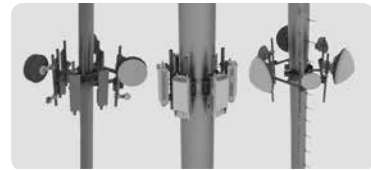
Because our components are engineered and manufactured to the highest standards and most exact specifications, you can rest assured they've been designed to fit snugly on your tower and fabricated to withstand the harshest elements. Whether you need additional U-bolts for your mount, or struts and brackets for your microwave, pipe or stand-off mounts, we deliver the most durable mounting components to keep your antenna properly aligned.



Tower Applications



Roof-Top Applications



Monopole Applications



Waveguide Bridge Applications



Equipment Platforms and Site Components



Water Tower Applications

Sector Frames

Ordering Information

Description	Pipes Included	Part Number	AT&T Item #
G23 Sector Frame, High Load Capacity - up to 11,000 lbs/sector			
Includes: frame, saddle mounts, pipe mounts, stiff arm and clamps. Stand-off distance 48.3"			
10' 6" Face	(4) 96"	SFG23-10-4-96	
	(4) 126"	SFG23-10-4-126	
12' 6" Face	(4) 96"	SFG23-12-4-96	ANT.16546
	(4) 126"	SFG23-12-4-126	ANT.16545
14' 6" Face	(4) 96"	SFG23-14-4-96	
	(4) 126"	SFG23-14-4-126	
G22 Sector Frame, High Load Capacity - up to 8,000 lbs/sector			
Includes: frame, saddle mounts, stiff arm and clamps. Stand-off distance 47.0"			
10' 6" Face	(4) 96"	SFG22-10-4-96	
	(4) 126"	SFG22-10-4-126	
12' 6" Face	(4) 96"	SFG22-12-4-96	ANT.16544
	(4) 126"	SFG22-12-4-126	ANT.16543
14' 6" Face	(4) 96"	SFG22-14-4-96	
	(4) 126"	SFG22-14-4-126	
Quik-V Sector Frames, Medium Load Capacity			
Includes: frame, saddle mounts, stiff arm and clamps. Stand-off distance 34.0"			
7' 6" Face	None	SF-QV7-B	
10' 6" Face	None	SF-QV10-B	ANT.16563
12' 6" Face	None	SF-QV12-B	ANT.16564
	(4) 96"	MTC3606	ANT.16565
14' 6" Face	None	SF-QV14-B	
Diagonal Support Kit	None	MTC3606DSK	ANT.16566
Stand-Off Sector Frame, Light Load Capacity			
Includes: frame, saddle mounts, stiff arm and clamps. Stand-off distance 52.0"			
7' 6" Face	None	SF-SU7-B	
10' 6" Face	None	SF-SU10-B	
12' 6" Face	None	SF-SU12-B	
	(4) 96"	SF-SU12-4-96	ANT.16568
	(4) 126"	SF-SU12-4-126	ANT.16567
14' 6" Face	None	SF-SU14-B	
	(4) 96"	SF-SU14-4-96	



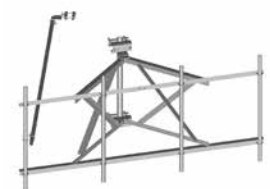
G23 Sector Frame
(SFG23-10-4-96)



G22 Sector Frame
(SFG22-10-4-96)



Quik-V Sector Frame
(SF-QV10-B)



Stand-Off Sector Frame
(SF-SU10-B)

G2 Custom Tower Solutions

Ordering Information

Description	Face	Number of Sectors	Pipes Included	Part Number	AT&T Item #
SST/Self Support Tower Applications					
SST/Self support tower attachment hardware included; No mounting pipes					
G2A: Heavy 5 Frame	10' Face	1 Sector	None	SFG2AT-10-B	ANT.15908
		3 Sectors	None	SFG2AT-10-B3	ANT.15899
	12' Face	1 Sector	None	SFG2AT-12-B	ANT.16542
			(4) 96"	SFG2AT-12-4-96	ANT.16552
			(4) 126"	SFG2AT-12-4-126	ANT.16551
G2B: Heavy 10 Frame	10' Face	1 Sector	None	SFG2BT-10-B	ANT.15909
		3 Sectors	None	SFG2BT-10-B3	ANT.15900
	12' Face	1 Sector	None	SFG2BT-12-B	ANT.16558
			(4) 96"	SFG2BT-12-4-96	ANT.16557
			(4) 126"	SFG2BT-12-4-126	ANT.16556
G2C: Heavy WLL Frame	10' Face	1 Sector	None	SFG2CT-12-B	ANT.15910
		3 Sectors	None	SFG2CT-12-B3	ANT.15901
	12' Face	1 Sector	(4) 96"	SFG2CT-12-4-96	ANT.16562
			(4) 126"	SFG2CT-12-4-126	ANT.16561
Guyed Tower Applications					
Guyed tower attachment hardware included; No mounting pipes					
G2A: Heavy 5 Frame	10' Face	1 Sector	None	SFG2AG-10-B	ANT.15911
		3 Sectors	None	SFG2AG-10-B3	ANT.15902
	12' Face	1 Sector	None	SFG2AG-12-B	ANT.16550
			(4) 96"	SFG2AG-12-4-96	ANT.16549
			(4) 126"	SFG2AG-12-4-126	ANT.16548
G2B: Heavy 10 Frame	10' Face	1 Sector	None	SFG2BG-10-B	ANT.15912
		3 Sectors	None	SFG2BG-10-B3	ANT.15903
	12' Face	1 Sector	None	SFG2BG-12-B	ANT.16555
			(4) 96"	SFG2BG-12-4-96	ANT.16554
			(4) 126"	SFG2BG-12-4-126	ANT.16553
G2C: Heavy WLL Frame	10' Face	1 Sector	None	SFG2CG-12-B	ANT.15913
		3 Sectors	None	SFG2CG-12-B3	ANT.15904
	12' Face	1 Sector	(4) 96"	SFG2CG-12-4-96	ANT.16560
			(4) 126"	SFG2CG-12-4-126	ANT.16559

Continued on the following page.

G2 Custom Tower Solutions continued

Ordering Information

Description	Face	Number of Sectors	Pipes Included	Part Number	AT&T Item #
Antenna Mounting Pipe Kits and Hardware (qty. 1)					
Hardware included, 126" x 2.375" OD					
G2A: Heavy 5 Frame and G2B: Heavy 10 Frame				AP-20XA120	ANT.15914
G2C: Heavy WLL Frame				AP-25XA120	ANT.15915

Mounting Components

Ordering Information

Description	Part Number	AT&T Item #
V-Stabilizer™		
For tower applications, small leg size (2"-8")	VSR-TS-B	ANT.16538
For tower applications, large leg size (8"-16")	VSR-TL-B	ANT.16537
Dual V-Stabilizer, small leg size (2"-8")	VSRDual-TS-B	ANT.16535
Universal RRU Mount Kits; (qty. 2)		
Attaches up to 3 RRUs		
For straight legs up to 5-5/8"	PM-RU3	
For straight or tapered legs up to 5-5/8"	PM-RU3T	
Back to Back Dual Radio Mounts		
Low profile, round legs 2-3/8" to 4-1/2" OD	RR-B2B-LP	
Access ready, round legs 2-3/8" to 3-1/2" OD	RR-B2B-AR	ANT.16532
Fast access, round legs up to 5-5/8" OD 90° angle up to 4-1/2"	RR-FA2	ANT.16533
Universal Open Pipe Mount (qty.1)		
For straight or tapered legs up to 8" Pipe 3.5" OD x 60"		
	RR-DPM	
Universal Sliding Pipe Mount Kit		
For straight or tapered legs up to 8"		
Pipe 3-1/2" OD x 96"	PM-SU35-96	
Pipe 4-1/2" OD x 63"	PM-SU4-63	



3-Sector Monopole Mounts

Ordering Information

Description	Mounting Diameter	Pipes Included	Part Number	AT&T Item #
Monopole G23 Sector Frames, High Capacity - up to 11,000 lbs/sector				
Includes: Frame, saddle mounts, stiff arm and clamps				
10' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG23-10M-12-96	
		(12) 2-3/8" OD x 126"	MCG23-10M-12-126	
12' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG23-12M-12-96	ANT.16519
		(12) 2-3/8" OD x 126"	MCG23-12M-12-126	ANT.16517
14' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG23-14M-12-96	
		(12) 2-3/8" OD x 126"	MCG23-14M-12-126	
Monopole G22 Sector Frames, High Capacity - up to 8,000 lbs/sector				
Includes: Frame, saddle mounts, stiff arm and clamps				
10' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG22-10M-12-96	
		(12) 2-3/8" OD x 126"	MCG22-10M-12-126	
12' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG22-12M-12-96	ANT.16516
		(12) 2-3/8" OD x 126"	MCG22-12M-12-126	ANT.16515
14' 6" Face	15" to 50"	(12) 2-3/8" OD x 96"	MCG22-14M-12-96	
		(12) 2-3/8" OD x 126"	MCG22-14M-12-126	



Monopole G23 Sector Frame
(MCG23-10M-12-96)



Monopole G22 Sector Frame
(MCG22-14M-12-96)

3-Sector Co-Location Platforms Kits

Ordering Information

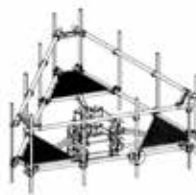
Description	Mounting Diameter	Pipes Included	Part Number
3-Sector Co-location Platform Kits			
Includes: Platform and hand-rail assembly			
12' 6" Face Medium Capacity	12" to 50"	None	MC-CP12M-B
		(12) 2-3/8" OD x 96"	MC-CP12M-12-96
		(12) 2-3/8" OD x 126"	MC-CP12M-12-126
14' 6" Face Medium Capacity	12" to 50"	None	MC-CP14M-B
		(12) 2-3/8" OD x 96"	MC-CP14M-12-96
		(12) 2-3/8" OD x 126"	MC-CP14M-12-126
12' 6" Face High Capacity	12" to 50"	None	MC-HP12M-B
		(12) 2-3/8" OD x 96"	MC-HP12M-12-96
		(12) 2-3/8" OD x 126"	MC-HP12M-12-126
14' 6" Face High Capacity	12" to 50"	None	MC-HP14M-B
		(12) 2-3/8" OD x 96"	MC-HP14M-12-96
		(12) 2-3/8" OD x 126"	MC-HP14M-12-126



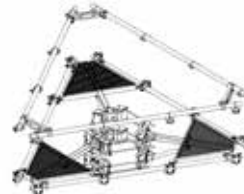
3-Sector Co-Location Platform Kit
Medium Capacity
(MC-CP12M-B)



3-Sector Co-Location Platform Kit
Medium Capacity
(MC-CP14M-12-126)



3-Sector Co-Location Platform Kit
High Capacity
(MC-HP12M-12-96)



3-Sector Co-Location Platform Kit
High Capacity
(MC-HP14M-B)

G2 Custom Monopole Solutions

Description	Face	Number of Sectors	Pipes Included	Part Number	AT&T Item #
Fits Monopoles 15" to 50" OD					
Monopole attachment hardware included; No mounting pipes					
G2A: Heavy 5 Frame	10' Face	1 Sector	None	MCG2A-10-B	ANT.15905
		3 Sectors	None	MCG2A-10-B3	ANT.15896
	12' Face	1 Sector	None	MCG2A-12M-B	ANT.16513
		3 Sectors	None	MCG2A-12M-B3	ANT.16522
			(12) 96"	MCG2A-12M-12-96	ANT.16521
			(12) 126"	MCG2A-12M-12-126	ANT.16520
G2B: Heavy 10 Frame	10' Face	1 Sector	None	MCG2B-10-B	ANT.15906
		3 Sectors	None	MCG2B-10-B3	ANT.15897
	12' Face	1 Sector	None	MCG2B-12M-B	ANT.16514
		3 Sectors	None	MCG2B-12M-B3	ANT.16525
			(12) 96"	MCG2B-12M-12-96	ANT.16524
			(12) 126"	MCG2B-12M-12-126	ANT.16523
G2C: Heavy WLL Frame	12' Face	1 Sector	None	MCG2C-12-B	ANT.15907
		3 Sectors	None	MCG2C-12-B3	ANT.15898
			(12) 96"	MCG2C-12M-12-96	ANT.16529
			(12) 126"	MCG2C-12M-12-126	ANT.16526
Antenna Mounting Pipe Kits and Hardware (qty. 1)					
Hardware included, 126" x 2.375" OD					
G2A: Heavy 5 Frame and G2B: Heavy 10 Frame				AP-20XA120	ANT.15914
G2C: Heavy WLL Frame				AP-25XA120	ANT.15915

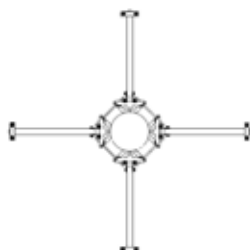
Co-Location Load Distribution Reinforcement Kits

Ordering Information

Description	Mounting Diameter	Part Number	AT&T Item #
Three Sector Load Distribution Reinforcement Kits			
Includes: Ring mount and support arms for 3 sectors			
36" Support Arm	10" - 30"	RK-36-3S	ANT.16534
	15" - 50"	RK-36-3M	
	30" - 60"	RK-36-3L	
60" Support Arm	10" - 30"	RK-60-3S	
	15" - 50"	RK-60-3M	
	30" - 60"	RK-60-3L	
Field Adjustable 10 foot Support Arm	30" - 60"	MTC38523L	
Four Sector Load Distribution Reinforcement Kits			
Includes: Ring mount and support arms for 3 sectors			
36" Support Arm	10" - 30"	RK-36-4S	
	30" - 60"	RK-36-4L	
60" Support Arm	10" - 30"	RK-60-4S	
	30" - 60"	RK-60-4L	



Three Sector Load
Distribution Reinforcement Kit
(RK-36-3S)



Four Sector Load
Distribution Reinforcement Kit
(RK-36-4S)

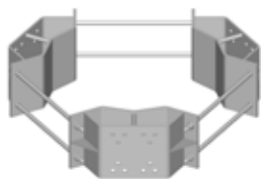
Co-Location Mounting Components

Ordering Information

Description	Part Number	AT&T Item #
Three Sector V-Stabilizer Kit 10" to 50" mounting OD	VSR-MS-B	ANT.16536
Back-to-Back Dual Radio Mounts		
Fast access, round legs up to 5-5/8" OD 90° angle up to 4-1/2"	RR-FA2	ANT.16533
Access Ready, round legs 2-3/8" to 3-1/2" OD	RR-B2B-AR	ANT.16532
Low Profile, round legs 2-3/8" to 4-1/2" OD	RR-B2B-LP	-
Dual Pipe Mount Kits 4' 9" face, 12" to 50" mounting OD, includes pipes		
(6) 2-3/8" OD x 96" pipes	MC-DPM2M-6-96	-
(6) 2-7/8" OD x 96" pipes	MC-DPM3M-6-96	-
(6) 3-1/2" OD x 96" pipes	MC-DPM35M-6-96	-
(6) 3-1/2" OD x 126" pipes	MC-DPM35M-6-126	ANT.13894
Three Sector Universal Ring Mount Kits		
10" to 30" mounting OD	MC-RM1030-3	MIC.10785
15" to 50" mounting OD	MC-RM1550-3	-
30" to 60" mounting OD	MC-RM3060-3	-
Four Sector Ring Mount Kit 30" to 60" mounting OD	MC-RM3060-4	MIC.11044
Six Sector Ring Mount Kit 15" to 60" mounting OD	RR-RM1560	-
Heavy Duty Chain Mounts, (2) 8' chains		
With 4-1/2" OD x 63" pipe mount	CML-H30-63	-
With 46" stiff arm	CM-SH30	-



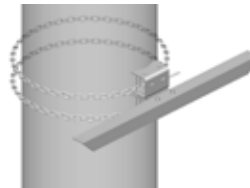
Dual Pipe Mount Kit
(MC-DPM2M-6-96)



Three Sector Universal
Ring Mount Kit
(MC-RM1030-3)



Six Sector Ring Mount Kit
(RR-RM1560)

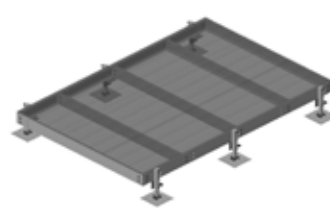


Heavy Duty Chain Mounts
(CM-SH30)

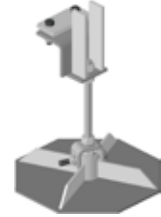
Equipment Platforms

Ordering Information

Description	Part Number
Equipment Platforms (other sizes available in 2 ft increments)	
10' x 15' base with (6) adjustable legs	EQ-P1015-AL
4' x 4' base with (4) adjustable legs	EQ-P4C0404-AL
Weight Dispersement Leg for Equipment Platform	EQ-P-DF



Equipment Platform
(EQ-P1015-AL)



Weight Dispersement Leg
(EQ-P-DF)

Equipment Platforms - Custom Solutions

Ordering Information

Description	Base Size	Part Number
Equipment Platform and Canopy		
With steps and hand rail	12' x 25'	MTC37621225
With 6' step	9' x 17'	MTC3799
Pad mounted	8' x 8'	MTC3805
Pier mounted square posts	11' x 16'	MTC38671115
Canopy		
Direct buried posts	10' x 12'	MTC38151012
	10' x 18'	MTC38361018
	10' x 22'	MTC38151022
	12' x 20'	MTC3815
Direct buried posts and safety grating roof	12' x 20'	MTC9179
Pad mounted posts	10' x 12'	MTC38641012
	10' x 16'	MTC38641016
	12' x 15'	MTC38641215
	12' x 20'	MTC38641220
	12' x 22'	MTC3715
	13' x 18'	MTC38641318
	16' x 11'	MTC37151611
LED Light Kit (4) LED light fixtures with hardware, cabling and conduit for canopies up to 12' x 20'		MTC38641220LK

A full line of equipment platforms and other site related components are available in various sizes and options. Please contact steelproducts@commscope.com for assistance.

Custom Integrated Equipment Platforms

Custom Integrated Equipment Platforms are now being offered by CommScope in several configurations which include up to four equipment cabinets – with or without a generator. All equipment is fully assembled and tested in the factory, enabling a fully integrated platform to be delivered to the site and installed in a matter of hours versus days or weeks.

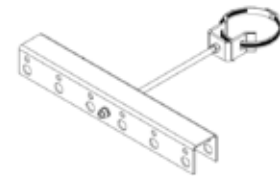
For additional details, please email steelproducts@commscope.com.



ACS Antenna and RRU Cable Support Brackets

Ordering Information

Description	Cable Capacity	Part Number	AT&T Item #
ACS Antenna and RRU Cable Support Brackets			
2" to 10" OD	Up to 4 cables	ACS-4	ANT.16499
	Up to 12 cables	ACS-12	ANT.16502
1.9" to 4.5" OD	Up to 24 cables	ACS-D24	ANT.16500



ACS Antenna and RRU Cable Support (ACS-12)

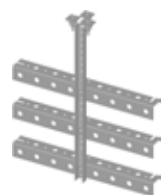
Waveguide Bridge Components

Ordering Information

Description	Part Number	AT&T Item #
Base Shoe For 3-1/2" OD pipe, hardware included	WB-BS	-
Direct Burial Pipe Column 3-1/2" OD x 13' 4"	MF-130	-
Trapeze Kit Triple tee, 24" wide, three rungs	WB-T24-3	-
Waveguide Bridge Support Bracket 24" wide for 3-1/2" OD legs	WB-LB24-3	MIC.11037
Safety Grated Waveguide Bridge Kits		
24" x 10' bridge with (2) 15' 4" direct burial posts	WB-K210-B15	-
24" x 10' bridge with (2) 13' 4" direct burial posts	WB-K210-B	ANT.16505
24" x 10' bridge with (4) 13' 4" direct burial posts	WB-K410-B	-
24" x 10' bridge with (2) 10' 6" base shoe posts	WB-K210-S	MIC.11048
12" x 10' bridge with (2) 13' 4" direct burial posts	WB-K110-B	-



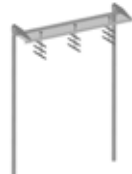
Base Shoe (WB-BS)



Trapeze Kit (WB-T24-3)



Waveguide Bridge Support Bracket (WB-LB24-3)



Safety Grated Waveguide Bridge Kits (WB-K210-B)

Cable Ladder Kits

Ordering Information

Description	Part Number	AT&T Item #
Cable Ladder Kits		
20" Wide, Six Hole Rung, 10 feet	CL-0610-U	pending
20" Wide, Six Hole Rung, 20 feet	CL-0620-U	pending
30" Wide, Nine Hole Rung, 10 feet	CL-0910-U	pending
30" Wide, Nine Hole Rung, 20 feet	CL-0920-U	pending
38" Wide, Twelve Hole Rung, 10 feet	CL-1210-U	ANT.16503
38" Wide, Twelve Hole Rung, 20 feet	CL-1220-U	ANT.16504



Cable Ladder Kit
(CL-0620-U)

Plain End Pipe

Ordering Information

Description	Part Number	AT&T Item #
Plain End Pipes		
2-3/8" OD x 36"	MT-649	
2-3/8" OD x 63"	MT-650-63	
2-3/8" OD x 96"	MT-651-96	ANT.16530
2-3/8" OD x 126"	MT-537	ANT.16531
2-3/8" OD x 150"	MT-651-150	
2-3/8" OD x 174"	MT-537-174	
2-7/8" OD x 84"	MT54684	
2-7/8" OD x 96"	MT54696	
2-7/8" OD x 150"	MT-546-150	
3-1/2" OD x 75"	MT-54775	MIC.11308
3-1/2" OD x 126"	MT-547-126	
4-1/2" OD x 126"	MT-539	



Pipe End Pipes

Mounting Components, Clamps and Miscellaneous Accessories

Ordering Information

Description	Part Number	AT&T Item #
Universal Stiff Arm Kit 2-3/8" OD x 120" pipe with saddle mount for up to 4-1/2" tower leg	SA-B10	ANT.16541
Pipe Mount Hardware Kits Includes crossover bracket and U bolts		
Mounts 3-1/2" OD round tube and 2-3/8" OD antenna pipe	MT-219-H	ANT.16508
Mounts 3-1/2" OD round tube and 2-7/8" OD antenna pipe	MT-219M-H	
Pipe-to-Pipe Clamp Joins (2) 1-1/2" to 3-1/2" OD round members	BC-20-10	
Crossover Plates		
Joins 2-3/8" to 2-3/8" OD round members	XP-2020	ANT.16506
Joins 2-3/8" to 2-7/8" OD round members	XP-2025	
Joins 2-3/8" to 3-1/2" OD round members	XP-2030	ANT.16507
Crossover Angles		
Joins 2-3/8" to 2-3/8" OD round members	XA-2020	ANT.16509
Joins 2-3/8" to 2-7/8" OD round members	XA-2030	ANT.16510
Galvanized U-Bolt Assemblies		
1/2" x 2-1/2" x 4"	GUB-4240	
1/2" x 3" x 5-1/4"	GUB-4352	
Horizontal Z-Bracket, 23" Coaxial cable wall bracket for 14 cable runs	ZB-H8	
Star Support Tee Bracket For 1-1/2" to 5-9/16" OD round members and 2-1/2" to 5" angle members	SS-TB2550	ANT.16501
Arrestor Trapeze Kit For 7-16 DIN, type N or bolt-grounded surge arrestors, 3-tier, 6-hole pattern	AT-K306-U	



Universal Stiff Arm Kit
(SA-B10)



Pipe-to-Pipe Clamp
(BC-20-10)



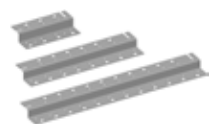
Crossover Plate
(XP-2025)



Crossover Angles
(XA-2020)



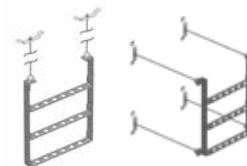
U-Bolt Assembly
(GUB-4240)



Horizontal Z-Bracket
(ZB-H8)



Star Support Tee Bracket
(SS-TB2550)



Arrestor Trapeze Kit
(AT-K306-U)

Roof Frames

Ordering Information

Description	Pipes Included	Part Number	AT&T Item #
Non-Penetrating Roof Frames			
7' Face	None	RF-NL7-B	-
	(2) 3-1/2" OD x 72" pipes	RF-NL7-2-72	ANT.12345
	(3) 3-1/2" OD x 72" pipes	RF-NL7-3-72	-
	(3) 3-1/2" OD x 96" pipes	RF-NL7-3-96	-
10' 6" Face	None	RF-NL10L-B	-
	(3) 2-3/8" OD x 96" pipes	RF-NL10-3-96	ANT.16539
	(4) 2-3/8" OD x 96" pipes	RF-NL10-4-96	-
12' 6" Face	None	RF-NL12-B	-
	(4) 2-3/8" OD x 96" pipes	RF-NL12-4-96	ANT.16540
14' 6" Face	None	RF-NL14-B	-
	(4) 2-3/8" OD x 96" pipes	RF-NL14-4-96	-
Non-Penetrating Tripod Mounts			
Universal mount, base only (purchase pipe separately 4-1/2" OD)		TP-G412-B	-
Non-penetrating roof ballast sled for tripod		MT-416	-
Rubber mat 1/2" x 18" x 48" (6 mats required for ballast tray)		MTF1637	ANT.13346
RRU Mountings Kits for Non-Penetrating Roof Frames			
Retro-fit Kit		RF-NRK	-
Non-Penetrating Ballast Frame		RR-TFS	-
RRU Indoor Pad Mounted H-Frames			
30" wide x 86" tall		RR-HFIPML	-
18" wide x 84" tall		RR-HFIPM	-



Non-Penetrating Roof Frame
(RF-NL7-B)



RRU Mounting Kit
Non-Penetrating Roof Frame
(RF-NRK)



RRU Mounting Kit
Non-Penetrating Roof Frame
(RR-TFS)

Universal Sliding Pipe Mount Kits

Ordering Information

Description	Part Number	AT&T Item #
Universal Sliding Pipe Mount Kits For 4-1/2" OD x 63" pipe		
0" to 8" mounting diameter	PM-SU4-63	MIC.10751
0" to 16" mounting diameter, 8" stand-off	PML-SU4-63	CEQ.13983



Sliding Pipe Mount
(PM-SU4-63)

Tower Face Mount Kits

Ordering Information

Description	Part Number	AT&T Item #
Tower Face Mount Kits 8' Face mount, includes 4-1/2" OD x 8' antenna pipe		
(1) 2-3/8" x 63" strut support up to 8" mounting diameter legs	TF-M4S-8	CEQ.13986
(2) 2-3/8" x 63" strut support up to 8" mounting diameter legs	TF-M4S2-8	CEQ.13985
(2) 2-3/8" x 63" strut support up to 16" mounting diameter legs	TFL-M4S2-8	ANT.14490



Tower Face Mount
(TF-M4S-8)

Chain Mount Kits

Ordering Information

Description	Part Number	AT&T Item #
Chain Mount Kits Includes (1) 4-1/2" OD x 63" pipe		
(2) 8' chains, 8" to 30" mounting diameter	CML-L30-63	MIC.10745
(2) 16' chains, 8" to 60" mounting diameter	CML-L60-63	MIC.10770



Chain Mount
(CML-L30-63)

Dual Ring Mount Kit

Ordering Information

Description	Part Number	AT&T Item #
Dual Ring Mount Kit For up to 6' microwave antenna, 15" to 50" OD monopoles Includes (1) 4-1/2" OD x 63" pipe		
	RM-DM-6	MIC.10830



Dual Ring Mount
(RM-DM-6)

Water Tower Mount Kits

Ordering Information

Description	Part Number
Water Tower Hand Rail Antenna Mount Includes upper and lower brackets, 9" standoff and (1) 2-3/8" OD x 96" plain end pipe	WT-HRM2-96
Water Tower Roof-Top Tripod Mount Includes mount and (1) 4-1/2" OD x 96" plain end pipe	WT-TMA45-96
Mini Monopole for Stackable Pod Mount Includes 7' pole 14" OD, step bolts, hardware and safety-climb	WT-MMP-7



Hand Rail Antenna Mount
(WT-HRM2-96)



Tripod Mount
(WT-TMA45-96)

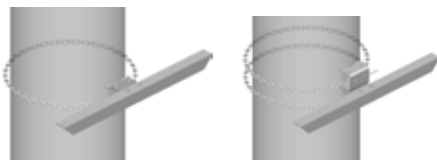


Stackable Pod Mount
(WT-MMP-7)

Stiff Arm Mount Kits

Ordering Information

Description	Part Number
Stiff Arm Mount Kits Includes 46" stiff arm attachment	
(1) 8' chain, 8" to 30" mounting diameter, light duty	CM-SL30
(2) 8' chain, 8" to 30" mounting diameter, heavy duty	CM-SH30
(1) 16' chain, 8" to 60" mounting diameter, light duty	CM-SL60
(2) 16' chain, 8" to 60" mounting diameter, heavy duty	CM-SH60
Stiff Arm Mount Bracket For 1-1/4" to 3-1/2" OD pipe, up to 4-1/2" tower legs	SA-BU



Stiff Arm Mount Kits
(CM-SL30 and CM-SH30)



Stiff Arm Mount Bracket
(SA-BU)

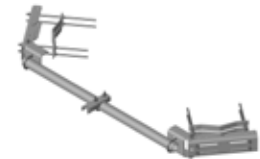
Microwave Antenna Channel Support Kits

Ordering Information

Description	Part Number	AT&T Item #
Tower Face Mounted Microwave Antenna Channel Support Kit		
Legs up to 8" mounting OD, (1) 3-1/2" OD x 72" pipe	MD-CS-6R	-
Legs up to 8" mounting OD, (1) 3-1/2" OD x 96" pipe	MD-CS-8R	CEQ.13998
Legs up to 8" mounting OD, (1) 3-1/2" OD x 120" pipe	MD-CS-10R	ANT.14535
Legs up to 16" mounting OD, (1) 3-1/2" OD x 72" pipe	MDL-CS-6R	-
Legs up to 16" mounting OD, (1) 3-1/2" OD x 96" pipe	MDL-CS-8R	-
Legs up to 16" mounting OD, (1) 3-1/2" OD x 120" pipe	MDL-CS-10R	CEQ.14019



Microwave Antenna Support Kits
(MD-CS-6R and MDL-CS-6R)



Ice Shields

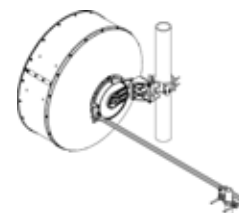
Ordering Information

Description	Part Number	AT&T Item #
Microwave Antenna Ice Shields		
For 10' antennas	MD-S10	MIC.10829
For 6' antennas	MD-S6	MIC.10741
For 4' antennas	MD-S4	MIC.10432
Hardware Kit	MDSHK	MIC.11306

Strut Kits

Ordering Information

Description	Part Number	AT&T Item #
Inboard Side Strut Kit		
For 3' ValuLine® VHLP(X) antennas	VSTRUT-3KIT	-
For 4' and 6' microwave and ValuLine® antennas	VSTRUT-P3KIT	MIC.10752
Outboard Side Strut Kit		
For 8', 10' and 12' microwave antennas	520570-3	CEQ.21781



Inboard Side Strut Kit
(VSTRUT-3KIT)



Outboard Side Strut Kit
(520570-3)

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