ANDREW®
an Amphenol company



TARANA PRODUCT SELECTION GUIDE

FIXED WIRELESS ACCESS PRODUCT SOLUTIONS

Table of Contents

DISCRETE FIBER TRUNK 1
HYBRID FIBER/POWER TRUNK 2
DISCRETE POWER TRUNK 6
OCTIS ASSEMBLIES 9
SINGLE CONDUCTOR CABLE 12
HELIAX® ACCESSORIES 13
HARDWARE KITS 14
GROUNDING KITS 14
HANGERS 15
INSTALLATION ACCESSORIES AND TOOLS 16
POLYMER PIM-GUARD® ANTENNA AND RRU CABLE SUPPORT BRACKETS 17
EXCESS DISCRETE FIBER COILING REEL 18
STEEL PRODUCTS 21
ROOFTOP TRIBOD SLED MOUNT 21
VERSITILE ROOFTOP J-MOUNT 21
STANDOFF LEG MOUNTS 22
LEG MOUNT OPTIONS 22
4 SECTOR MOUNT KITS 23
WOOD POLE MOUNT 24
MONOPOLES 25
DBH DOUBLE HINGE POLE 26

DISCRETE FIBER TRUNK

12 SM FIBER (6 DLC BREAKOUT)



Ordering Information

LENGTH (METERS)	MATERIAL ID
5	RFFT-12SM-001-5M
10	RFFT-12SM-001-10M
15	RFFT-12SM-001-15M
20	RFFT-12SM-001-20M
25	RFFT-12SM-001-25M
30	RFFT-12SM-001-30M
35	RFFT-12SM-001-35M
40	RFFT-12SM-001-40M
45	RFFT-12SM-001-45M
50	RFFT-12SM-001-50M
55	RFFT-12SM-001-55M
60	RFFT-12SM-001-60M
65	RFFT-12SM-001-65M
70	RFFT-12SM-001-70M
75	RFFT-12SM-001-75M
80	RFFT-12SM-001-80M
85	RFFT-12SM-001-85M
90	RFFT-12SM-001-90M
95	RFFT-12SM-001-95M
100	RFFT-12SM-001-100M

LENGTH (METERS)	MATERIAL ID
105	RFFT-12SM-001-105M
110	RFFT-12SM-001-110M
115	RFFT-12SM-001-115M
120	RFFT-12SM-001-120M
125	RFFT-12SM-001-125M
130	RFFT-12SM-001-130M
135	RFFT-12SM-001-135M
140	RFFT-12SM-001-140M
145	RFFT-12SM-001-145M
150	RFFT-12SM-001-150M
155	RFFT-12SM-001-155M
160	RFFT-12SM-001-160M
165	RFFT-12SM-001-165M
170	RFFT-12SM-001-170M
175	RFFT-12SM-001-175M
180	RFFT-12SM-001-180M
185	RFFT-12SM-001-185M
190	RFFT-12SM-001-190M
195	RFFT-12SM-001-195M
200	RFFT-12SM-001-200M

HYBRID FIBER/POWER TRUNK

12 SINGLEMODE FIBERS (6 DLC BREAKOUT) – 8 CORE 4AWG POWER CABLES



Ordering Information

LENGTH (METERS)	MATERIAL ID
5	HTNB08SBHVVAA-005M
10	HTNB08SBHVVAA-010M
15	HTNB08SBHVVAA-015M
20	HTNB08SBHVVAA-020M
25	HTNB08SBHVVAA-025M
30	HTNB08SBHVVAA-030M
35	HTNB08SBHVVAA-035M
40	HTNB08SBHVVAA-040M
45	HTNB08SBHVVAA-045M
50	HTNB08SBHVVAA-050M
55	HTNB08SBHVVAA-055M
60	HTNB08SBHVVAA-060M
65	HTNB08SBHVVAA-065M
70	HTNB08SBHVVAA-070M
75	HTNB08SBHVVAA-075M
80	HTNB08SBHVVAA-080M
85	HTNB08SBHVVAA-085M
90	HTNB08SBHVVAA-090M
95	HTNB08SBHVVAA-095M
100	HTNB08SBHVVAA-100M

LENGTH (METERS)	MATERIAL ID
105	HTNB08SBHVVAA-105M
110	HTNB08SBHVVAA-110M
115	HTNB08SBHVVAA-115M
120	HTNB08SBHVVAA-120M
125	HTNB08SBHVVAA-125M
130	HTNB08SBHVVAA-130M
135	HTNB08SBHVVAA-135M
140	HTNB08SBHVVAA-140M
145	HTNB08SBHVVAA-145M
150	HTNB08SBHVVAA-150M
155	HTNB08SBHVVAA-155M
160	HTNB08SBHVVAA-160M
165	HTNB08SBHVVAA-165M
170	HTNB08SBHVVAA-170M
175	HTNB08SBHVVAA-175M
180	HTNB08SBHVVAA-180M
185	HTNB08SBHVVAA-185M
190	HTNB08SBHVVAA-190M
195	HTNB08SBHVVAA-195M
200	HTNB08SBHVVAA-200M

HYBRID FIBER/POWER TRUNK

12 SINGLEMODE FIBERS (6 DLC BREAKOUT) – 8 CORE 6AWG POWER CABLES



Ordering Information

LENGTH (METERS)	MATERIAL ID
5	HTNBO8RBHVVAA-005M
10	HTNBO8RBHVVAA-010M
15	HTNBO8RBHVVAA-015M
20	HTNBO8RBHVVAA-020M
25	HTNBO8RBHVVAA-025M
30	HTNBO8RBHVVAA-030M
35	HTNBO8RBHVVAA-035M
40	HTNBO8RBHVVAA-040M
45	HTNBO8RBHVVAA-045M
50	HTNBO8RBHVVAA-050M
55	HTNBO8RBHVVAA-055M
60	HTNBO8RBHVVAA-060M
65	HTNBO8RBHVVAA-065M
70	HTNBO8RBHVVAA-070M
75	HTNBO8RBHVVAA-075M
80	HTNBO8RBHVVAA-080M
85	HTNBO8RBHVVAA-085M
90	HTNBO8RBHVVAA-090M
95	HTNBO8RBHVVAA-095M
100	HTNBO8RBHVVAA-100M

LENGTH (METERS)	MATERIAL ID
105	HTNBO8RBHVVAA-105M
110	HTNBO8RBHVVAA-110M
115	HTNBO8RBHVVAA-115M
120	HTNBO8RBHVVAA-120M
125	HTNBO8RBHVVAA-125M
130	HTNBO8RBHVVAA-130M
135	HTNBO8RBHVVAA-135M
140	HTNBO8RBHVVAA-140M
145	HTNBO8RBHVVAA-145M
150	HTNBO8RBHVVAA-150M
155	HTNBO8RBHVVAA-155M
160	HTNBO8RBHVVAA-160M
165	HTNBO8RBHVVAA-165M
170	HTNBO8RBHVVAA-170M
175	HTNBO8RBHVVAA-175M
180	HTNBO8RBHVVAA-180M
185	HTNBO8RBHVVAA-185M
190	HTNBO8RBHVVAA-190M
195	HTNBO8RBHVVAA-195M
200	HTNBO8RBHVVAA-200M

HYBRID FIBER/POWER TRUNK

12 SINGLEMODE FIBERS (6 DLC BREAKOUT) – 8 CORE 8AWG POWER CABLES



LENGTH (METERS)	MATERIAL ID
5	HTNBO8QBHVVAA-005M
10	HTNBO8QBHVVAA-010M
15	HTNBO8QBHVVAA-015M
20	HTNBO8QBHVVAA-020M
25	HTNBO8QBHVVAA-025M
30	HTNBO8QBHVVAA-030M
35	HTNBO8QBHVVAA-035M
40	HTNBO8QBHVVAA-040M
45	HTNBO8QBHVVAA-045M
50	HTNBO8QBHVVAA-050M
55	HTNBO8QBHVVAA-055M
60	HTNBO8QBHVVAA-060M
65	HTNBO8QBHVVAA-065M
70	HTNBO8QBHVVAA-070M
75	HTNBO8QBHVVAA-075M
80	HTNBO8QBHVVAA-080M
85	HTNBO8QBHVVAA-085M
90	HTNBO8QBHVVAA-090M
95	HTNBO8QBHVVAA-095M
100	HTNBO8QBHVVAA-100M

LENGTH (METERS)	MATERIAL ID
105	HTNBO8QBHVVAA-105M
110	HTNBO8QBHVVAA-110M
115	HTNBO8QBHVVAA-115M
120	HTNBO8QBHVVAA-120M
125	HTNBO8QBHVVAA-125M
130	HTNBO8QBHVVAA-130M
135	HTNBO8QBHVVAA-135M
140	HTNBO8QBHVVAA-140M
145	HTNBO8QBHVVAA-145M
150	HTNBO8QBHVVAA-150M
155	HTNBO8QBHVVAA-155M
160	HTNBO8QBHVVAA-160M
165	HTNBO8QBHVVAA-165M
170	HTNBO8QBHVVAA-170M
175	HTNBO8QBHVVAA-175M
180	HTNBO8QBHVVAA-180M
185	HTNBO8QBHVVAA-185M
190	HTNBO8QBHVVAA-190M
195	HTNBO8QBHVVAA-195M
200	HTNBO8QBHVVAA-200M

HYBRID FIBER/POWER TRUNK

12 SINGLEMODE FIBERS (6 DLC BREAKOUT) – 8 CORE 10AWG POWER CABLES



Ordering Information

LENGTH (METERS)	MATERIAL ID
5	HTNB08PBHVVAA-005M
10	HTNB08PBHVVAA-010M
15	HTNB08PBHVVAA-015M
20	HTNB08PBHVVAA-020M
25	HTNB08PBHVVAA-025M
30	HTNB08PBHVVAA-030M
35	HTNB08PBHVVAA-035M
40	HTNB08PBHVVAA-040M
45	HTNB08PBHVVAA-045M
50	HTNB08PBHVVAA-050M
55	HTNB08PBHVVAA-055M
60	HTNB08PBHVVAA-060M
65	HTNB08PBHVVAA-065M
70	HTNB08PBHVVAA-070M
75	HTNB08PBHVVAA-075M
80	HTNB08PBHVVAA-080M
85	HTNB08PBHVVAA-085M
90	HTNB08PBHVVAA-090M
95	HTNB08PBHVVAA-095M
100	HTNB08PBHVVAA-100M

LENGTH (METERS)	MATERIAL ID
105	HTNB08PBHVVAA-105M
110	HTNB08PBHVVAA-110M
115	HTNB08PBHVVAA-115M
120	HTNB08PBHVVAA-120M
125	HTNB08PBHVVAA-125M
130	HTNB08PBHVVAA-130M
135	HTNB08PBHVVAA-135M
140	HTNB08PBHVVAA-140M
145	HTNB08PBHVVAA-145M
150	HTNB08PBHVVAA-150M
155	HTNB08PBHVVAA-155M
160	HTNB08PBHVVAA-160M
165	HTNB08PBHVVAA-165M
170	HTNB08PBHVVAA-170M
175	HTNB08PBHVVAA-175M
180	HTNB08PBHVVAA-180M
185	HTNB08PBHVVAA-185M
190	HTNB08PBHVVAA-190M
195	HTNB08PBHVVAA-195M
200	HTNB08PBHVVAA-200M

DISCRETE POWER TRUNK

2-CORE, 4-10AWG (1 RED, 1 BLACK)



Ordering Information

2 Core, 4 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-204-T

2 Core, 6 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-206-T

2 Core, 8 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-208-T

2 Core, 10 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-210-T

DISCRETE POWER TRUNK

6-CORE, 4-10AWG (3 RED, 3 BLACK)



Ordering Information

6 Core, 4 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-604-T

6 Core, 6 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-606-T

6 Core, 8 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-608-T

6 Core, 10 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-610-T

DISCRETE POWER TRUNK

8-CORE, 4-10AWG (4 RED, 4 BLACK)



Ordering Information

8 Core, 4 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-804-T

8 Core, 6 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-806-T

8 Core, 8 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-808-T

8 Core, 10 AWG conductors

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-810-T

OCTIS ASSEMBLIES

DUPLEX LC SINGLEMODE FIBER JUMPER WITH OCTIS CONNECTOR - WITHOUT SFP+ INSTALLED



Ordering Information

LENGTH (METERS)	MATERIAL ID
1	FJ-02NVADAS-001M
3	FJ-02NVADAS-003M
5	FJ-02NVADAS-005M
10	FJ-02NVADAS-010M
15	FJ-02NVADAS-015M
20	FJ-02NVADAS-020M
25	FJ-02NVADAS-025M
30	FJ-02NVADAS-030M
35	FJ-02NVADAS-035M
40	FJ-02NVADAS-040M
45	FJ-02NVADAS-045M
50	FJ-02NVADAS-050M
55	FJ-02NVADAS-055M
60	FJ-02NVADAS-060M
65	FJ-02NVADAS-065M
70	FJ-02NVADAS-070M
75	FJ-02NVADAS-075M
80	FJ-02NVADAS-080M
85	FJ-02NVADAS-085M
90	FJ-02NVADAS-090M
95	FJ-02NVADAS-095M
100	FJ-02NVADAS-100M

LENGTH (METERS)	MATERIAL ID
105	FJ-02NVADAS-105M
110	FJ-02NVADAS-110M
115	FJ-02NVADAS-115M
120	FJ-02NVADAS-120M
125	FJ-02NVADAS-125M
130	FJ-02NVADAS-130M
135	FJ-02NVADAS-135M
140	FJ-02NVADAS-140M
145	FJ-02NVADAS-145M
150	FJ-02NVADAS-150M
155	FJ-02NVADAS-155M
160	FJ-02NVADAS-160M
165	FJ-02NVADAS-165M
170	FJ-02NVADAS-170M
175	FJ-02NVADAS-175M
180	FJ-02NVADAS-180M
185	FJ-02NVADAS-185M
190	FJ-02NVADAS-190M
195	FJ-02NVADAS-195M

LENGTH (METERS)	MATERIAL ID
200	FJ-02NVADAS-200M
205	FJ-02NVADAS-205M
210	FJ-02NVADAS-210M
215	FJ-02NVADAS-215M
220	FJ-02NVADAS-220M
225	FJ-02NVADAS-225M
230	FJ-02NVADAS-230M
235	FJ-02NVADAS-235M
240	FJ-02NVADAS-240M
245	FJ-02NVADAS-245M
250	FJ-02NVADAS-250M
255	FJ-02NVADAS-255M
260	FJ-02NVADAS-260M
265	FJ-02NVADAS-265M
270	FJ-02NVADAS-270M
275	FJ-02NVADAS-275M
280	FJ-02NVADAS-280M
285	FJ-02NVADAS-285M
290	FJ-02NVADAS-290M
295	FJ-02NVADAS-295M
300	FJ-02NVADAS-300M

OCTIS ASSEMBLIES

DUPLEX LC SINGLEMODE FIBER JUMPER WITH OCTIS CONNECTOR WITH 1310NM SFP+ INSTALLED



Ordering Information

LENGTH (METERS)	MATERIAL ID
1	FJ-02NXADAS-001M
3	FJ-02NXADAS-003M
5	FJ-02NXADAS-005M
10	FJ-02NXADAS-010M
15	FJ-02NXADAS-015M
20	FJ-02NXADAS-020M
25	FJ-02NXADAS-025M
30	FJ-02NXADAS-030M
35	FJ-02NXADAS-035M
40	FJ-02NXADAS-040M
45	FJ-02NXADAS-045M
50	FJ-02NXADAS-050M
55	FJ-02NXADAS-055M
60	FJ-02NXADAS-060M
65	FJ-02NXADAS-065M
70	FJ-02NXADAS-070M
75	FJ-02NXADAS-075M
80	FJ-02NXADAS-080M
85	FJ-02NXADAS-085M
90	FJ-02NXADAS-090M
95	FJ-02NXADAS-095M
100	FJ-02NXADAS-100M

LENGTH (METERS)	MATERIAL ID
105	FJ-02NXADAS-105M
110	FJ-02NXADAS-110M
115	FJ-02NXADAS-115M
120	FJ-02NXADAS-120M
125	FJ-02NXADAS-125M
130	FJ-02NXADAS-130M
135	FJ-02NXADAS-135M
140	FJ-02NXADAS-140M
145	FJ-02NXADAS-145M
150	FJ-02NXADAS-150M
155	FJ-02NXADAS-155M
160	FJ-02NXADAS-160M
165	FJ-02NXADAS-165M
170	FJ-02NXADAS-170M
175	FJ-02NXADAS-175M
180	FJ-02NXADAS-180M
185	FJ-02NXADAS-185M
190	FJ-02NXADAS-190M
195	FJ-02NXADAS-195M

LENGTH (METERS)	MATERIAL ID
200	FJ-02NXADAS-200M
205	FJ-02NXADAS-205M
210	FJ-02NXADAS-210M
215	FJ-02NXADAS-215M
220	FJ-02NXADAS-220M
225	FJ-02NXADAS-225M
230	FJ-02NXADAS-230M
235	FJ-02NXADAS-235M
240	FJ-02NXADAS-240M
245	FJ-02NXADAS-245M
250	FJ-02NXADAS-250M
255	FJ-02NXADAS-255M
260	FJ-02NXADAS-260M
265	FJ-02NXADAS-265M
270	FJ-02NXADAS-270M
275	FJ-02NXADAS-275M
280	FJ-02NXADAS-280M
285	FJ-02NXADAS-285M
290	FJ-02NXADAS-290M
295	FJ-02NXADAS-295M
300	FJ-02NXADAS-300M

OCTIS ASSEMBLIES

HYBRID DUPLEX LC SINGLEMODE FIBER JUMPER WITH OCTIS CONNECTOR & 2-CORE 12AWG POWER CABLES WITH OCTIS CONNECTOR[



Ordering Information

Without SFP+ Installed

LENGTH (METERS)	MATERIAL ID
5	HJNB02N4BVAFFS-05M
10	HJNB02N4BVAFFS-10M

With 1310nm SFP+ Installed

LENGTH (METERS)	MATERIAL ID
5	HJNB02N4BXAFFS-05M
10	HJNB02N4BXAFFS-010M

OCTIS ASSEMBLIES

2-CORE 12AWG POWER CABLES WITH OCTIS CONNECTOR



Ordering Information

LENGTH (METERS)	MATERIAL ID
5	MPTU02NNKBNN-005M
10	MPTU02NNKBNN-010M

CAT6 RJ45 TO RJ45 CABLE WITH OCTIS TAB DOWN CONNECTOR



Ordering Information

LENGTH (METERS)	MATERIAL ID
1	TPP-04CBAB-BA-001M
5	TPP-04CBAB-BA-005M
10	TPP-04CBAB-BA-010M

SINGLE CONDUCTOR CABLE

1Conductor Power Cable, 6AWG with green jacket



Ordering Information

LENGTH	MATERIAL ID
Bulk reel and cut to order	PWRT-106-L2-GRN

HELIAX® ACCESSORIES

The HELIAX® installation accessories listed in this guide were selected specifically for the extra high demands and stresses of hybrid cable installation. Only the most robust designs proven by time and extensive testing on heavy hybrid cables are suitable for long term reliability in installations.

Features

- Specifically sized and rigorously tested for each cable
- Stainless steel and EPDM components for long term reliability
- Universal tinplated grounding kit for any cable

WARNING: The hybrid fiber cables described in this ordering guide must be installed using the hangers and accessories with the corresponding part numbers also described in this guide. Failure to use these accessories may result in an improper installation and/or product damage. Please also follow proper hoisting and attachment procedures.

HELIAX® PIM GUARD® ACCESSORIES

Ordering Information

LENGTH (METERS)	MATERIAL ID
SnapTak® Gen 2 PIMGuard® Adjustable Hangers	
Fits 4.0 mm to 11.0 mm cables	SSH-411
Fits 11.0 mm to 17.0 mm cables	SSH-1117
Fits 26.0 mm to 30.0 mm cables	SSH-2630
Fits 36.0 mm to 42.0 mm cables	SSH-3642
PIMGuard® Adapters	
Polymer angle member attachment. Includes torque stop set bolt to ensure proper attachment force. Two 3/4" holes	UA-3C
Polymer 1" standoff adapter for round members attachment for single snapin hanger	SA-1C
Multifunction Adapter that snaps into 3/4" holes or threads into 3/8" & 1/2" bolts & Ubolts	SA-1TR
Polymer threeway Snapin Standoff adapter. Two sets of slots for round member attachment. 3/8" holes for bolt down attachment. Three 3/4" holes for Snapin style hangers	SA-3C
Universal Hanger Adapter	
Mounts snapin hangers, grommets, and threaded rods onto towers with round members or 1/4" and 3/8" angle members	UHA-3C
Miscellaneous	
Acetal Cable Band with Locking Head, 27", pack of 25	CB-12-27LH
Acetal Cable Band with Locking Head, 16", pack of 50	CB-12-16LH
PIMGuard® Bulk Acetal Cable Banding, 1/2" x 50' Reel	CB-12-50
Cable Banding Installation Tool for CB1250	CB-IT
Locking Heads for CB1250 Cable Banding	CB-LH-25
Acetal Cable Band with Locking Head, 18", pack of 100	CB-12-18LH
PIM isolator snaps in between hanger and mounting surface, and between stacked hangers to remove metal to metal contact	SA-ISO
Polymer SnapWrap Cable Management Strap. Bundle multiple cable types and sizes into a 1/2" (12.7mm) to 2" (50.8mm) bundle with Snapin installation, 10 pack	SWH-200-10


SnapTak Gen 2 Hanger (SSH-411)


Angle Adapter (UA-3C)


SnapTak Gen 2 Hanger (SSH-1117)


Snap-in Adapter (SA-1C)


Multifunction Adapter (SA-1TR)


Universal Hanger Adapter (UHA-3C)


Acetal Cable Bands (CB-12-16LH)


Cable Banding (CB-12-50)


Cable Banding Installation Tool (CB-IT)


Locking Head (CB-LH-25)


Isolator (SA-ISO)


SnapWrap (SWH-200-10)

HARDWARE KITS

Ordering Information

DESCRIPTION	MATERIAL ID
Hardware Kits for block and CLICK hangers (10 pieces)	
Includes 3/8" threaded rod, ceiling mounting plate, nuts and washers	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 in or 1-5/8 in block hangers, 3 stack or 1/2 in or 7/8 in block hangers, 4 stack	243095-2
For 1-1/4 in or 1-5/8 in block hangers, 4 stack	243095-38



317714



243095-5

UNIVERSAL GROUNDING KIT

Ordering Information

DESCRIPTION	GROUNDING LEAD WIRE	LUG	MATERIAL ID
For 1/2" through 1-5/8" corrugated and smooth wall coaxial cable, elliptical waveguide 63 through 180 and hybrid cables	60"	Field Attach	UG12158-15B4-T



HANGERS

Ordering Information

MATERIAL ID	DESCRIPTION	MATERIAL ID
Butterfly Hanger (10 pieces)		
For 7/8" coaxial cable and elliptical waveguide 85 and 90		42396A-5
For 1/2" or 3/8" coaxial cable and elliptical waveguide 180, 220, and 240		43211A
Double ClickOn Hanger (10 pieces)		
For 7/8" coaxial cable		L5CLICKB
For 1-5/8" coaxial cable		L7CLICK
SnapTak® Gen 2 PIMGuard® Adjustable Hangers (10 pieces)		
For cables 4-11mm		SSH-411
For cables 11-17mm		SSH-1117
For cables 26-30mm		SSH-2630
For cables 36-42mm		SSH-3642
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
Hanger reinforcement brace Provides the ability to add an additional cable run to the stack		SSHR-10
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
For 1-1/4" cable		BHD-114
For 1-5/8" cable		BHD-158
Single Block Hangers (10 pieces)		
For 1-1/4" cable		BHS-114
SnapWrap (10 pieces)		
Polymer SnapWrap Cable Management Strap. Bundle multiple cable types and sizes into a 1/2" (12.7mm) to 2" (50.8mm) bundle with Snap-in installation		SWH-200-10



42396A5



L5CLICKB



SSH411



SSH12



SSHR10



BHD12



BHS114



SWH20010

INSTALLATION ACCESSORIES AND TOOLS

Ordering Information

	DESCRIPTION	MATERIAL ID
Adapters		
Angle, standard 3/8" tapped hole		31768A
Angle, universal snap-in, 3/4" hole		UA-3
Round Member Adapters (10 pieces)		
1" - 2"		31670-1
2" - 3"		31670-2
3" - 4"		31670-3
4" - 5"		31670-4
5" - 6"		31670-5
SnapSeal™ Entry Cushions		
4 holes for 1/2" coaxial cable		SEC-412
3 holes for 7/8" coaxial cable		SEC-378
Lace-Up Hoisting Grips		
For 7/8" coaxial cable, elliptical waveguide 77, and HELIAX® 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
Torque Wrenches		
For 7-16 DIN connectors, 1-1/4" opening		244377
For Type N connectors, 13/16" opening		244379
For 4.3-10 connectors, 22 mm opening		TW-4310



Adapter
(UA-3)



Adapter
(STS3-23)



SnapSeal
SEC-378



Support Hoisting Grip
(L5SGRIP)



Lace-Up Hoisting Grip
(19256B)



Weatherproofing Kit
(221213)

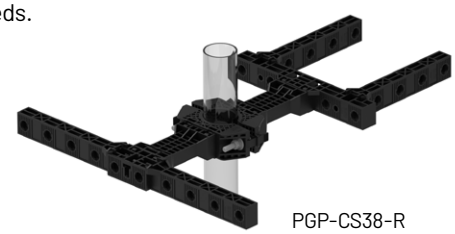


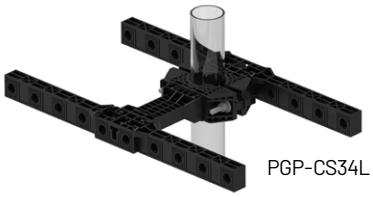
Torque wrench
244377

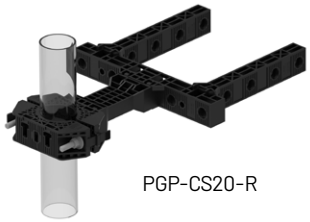
POLYMER PIM-GUARD® ANTENNA AND RRU CABLE SUPPORT BRACKETS

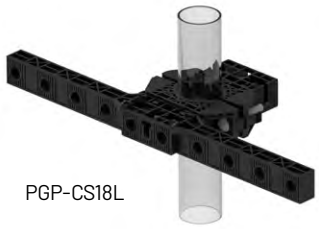
Features

- Port counts from 4- to 38-ports plus stackable SnapTak® hangers to support evolving needs.
- New 22" wide and reverse orientation options for expanded applications
- Part of an end-to-end PIM-Guard® strategy for flexible network growth


PGP-CS38-R


PGP-CS34L

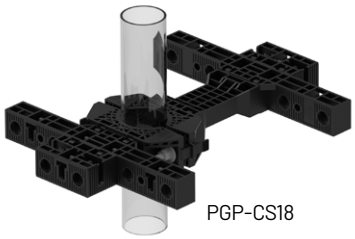

PGP-CS20-R

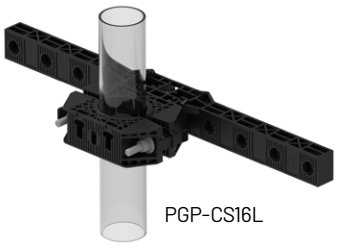

PGP-CS18L

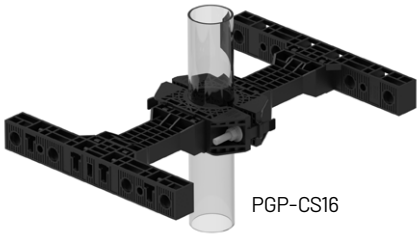
Ordering Information

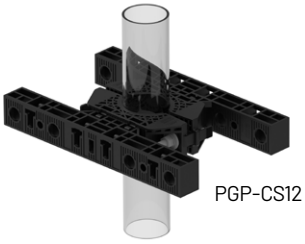
DESCRIPTION	CABLE RUNS QTY	3/4" HOLE QTY	PART NUMBER
Number of positions for stackable hangers (up to 2 per position) Round member mounting; 2.4"-3.0"			
38 positions - extra wide plus reverse orientation for use under both antenna and RRU	38	38	PGP-CS38-R
34 positions - extra wide dual bracket	34	34	PGP-CS34L
20 positions - reverse orientation for use under RRU	20	20	PGP-CS20-R
18 positions - extra wide bracket	18	18	PGP-CS18L
18 positions	18	18	PGP-CS18
16 positions - extra wide bracket	16	16	PGP-CS16L
16 positions	16	16	PGP-CS16
12 positions	12	12	PGP-CS12
10 positions	10	10	PGP-CS10
8 positions	8	8	PGP-CS08
4 positions	4	4	PGP-CS04

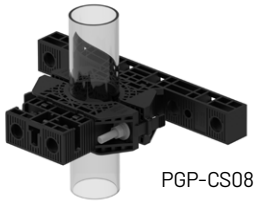
*Also available in multi-piece kits


PGP-CS18


PGP-CS16L


PGP-CS16


PGP-CS12


PGP-CS08


PGP-CS04

EXCESS DISCRETE FIBER COILING REEL

Features

- Port counts from 4- to 38-ports plus stackable SnapTak® hangers to support evolving needs.
- New 22" wide and reverse orientation options for expanded applications
- Part of an end-to-end PIM-Guard® strategy for flexible network growth

Ordering Information

PART NUMBER	DESCRIPTION	MATERIAL ID
HELIAX® Excess discrete fiber coiling reel Accommodates 16ft (5m) of excess 7mm fiber, weights 5lbs fully populated, stackable, PIM free		
Quantity 3 - extra wide plus reverse orientation for use under both antenna and RRU - 38 positions		FBR-COIL-SK3



FBR-COIL-SK3

** Only packaged in sets of three*

STEEL PRODUCTS

Simplify your product search with the ANDREW® Engineering Portal: AEPORTAL.COM

ROOFTOP TRIPOD SLED MOUNT

Features:

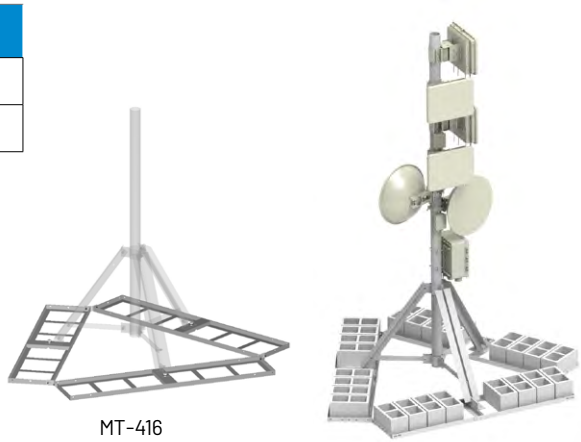
- Non-penetrating rooftop mount
- 12.5 foot tall mounting pole
- Three ballast platforms



TP-G412-150

Ordering Information

DESCRIPTION	PART NUMBER
Universal tripod mount with 150" x 4.5" OD mast pipe	TP-G412-150
Non-penetrating assembly roof sled for universal tripod mount	MT-416



MT-416

VERSATILE ROOFTOP J-MOUNT

- **Installation Flexibility:** Supports roof angles ≥ 30° with optimal loading performance for angles ≥ 45°
- **Wall Mount:** Also supports wall and parapet mounting scenarios
- **Wind Load Capacity:** Up to 150 mph
- **Effective Projected Area (EPA):** 1.19 tt2
- **Cable Access:** 0.6" holes on both ends for shielded CAT6 routing
- **Reversible Design:** Both ends of mount compatible with base bracket
- **Adjustable Leg Braces:** from 17 to 31"
- **Mount Pipe Length:** 72"
- **Mount Outer Diameter:** 2.0"
- **Finish:** Powder coated, military gray



Ordering Information

DESCRIPTION	PART NUMBER
Starlink mount roof and wall mount kit with adjustable brace from 17" to 31"	760260745-MT

STANDOFF LEG MOUNTS WITH DUAL 63" PIPES

Ordering Information

DESCRIPTION	PART NUMBER
12" standoff with dual 63" pipes	860685850-12-63
24" standoff with dual 63" pipes	860685850-24-63
36" standoff with dual 63" pipes	860685850-36-63
48" standoff with dual 63" pipes	860685850-48-63

NOTE: Leg mount not included.
See leg mount options below.



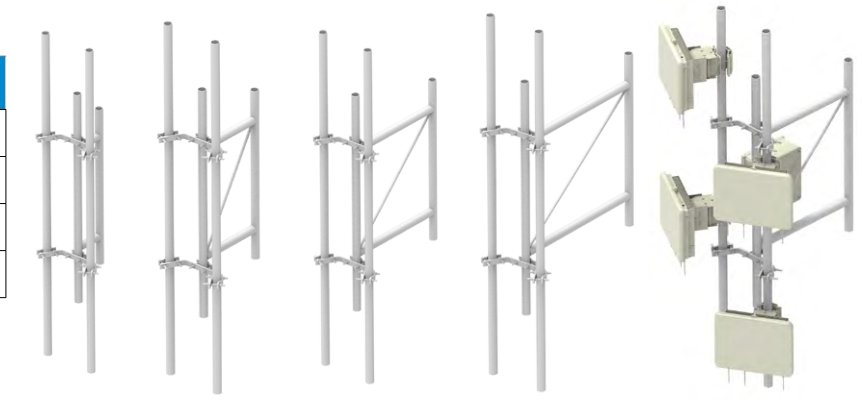
860685850-12-63 860685850-24-63 860685850-36-63 860685850-48-63

STANDOFF LEG MOUNTS WITH DUAL 108" PIPES

Ordering Information

DESCRIPTION	PART NUMBER
12" standoff bracket with dual 108" pipes	860685850-12-108
24"standoff bracket with dual 108" pipes	860685850-24-108
36" standoff bracket with dual 108" pipes	860685850-36-108
48" standoff bracket with dual 108" pipes	860685850-48-108

NOTE: Leg mount not included. See leg mount options below



860685850-12-108 860685850-24-108 860685850-36-108 860685850-48-108

LEG MOUNT OPTIONS

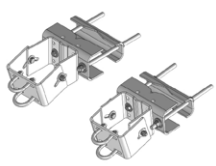
Ordering Information

DESCRIPTION	PART NUMBER
Tapered pipe-to-pipe adapter, adapts 2-3/8" to 4" OD pipe to 4" to 9" OD pipe	JS-S100-SSH
Universal open face pipe mount kit for 2-3/8" OD pipe	PM-SC2-B
Universal sliding pipe mount base kit for 2-3/8" OD pipe	PM-SU2-B
Large leg universal open face pipe mount kit for 2-3/8" OD pipe	PML-SC2-B
Pipe-to-pipe clamp, heavy duty, joins two 1-1/2" to 3-1/2" OD pipes	BC-20-10D
Pipe-to-pipe clamp, joins two 2-3/8" to 5" OD pipes	BC-35-14D

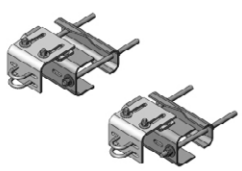
NOTE: Pipe not included. Leg mount options are for mounting of standoff brackets to other round member.



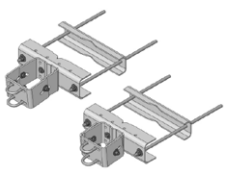
JS-S100-SSH



PM-SC2-B



PM-SU2-B



PML-SC2-B



BC-20-10D

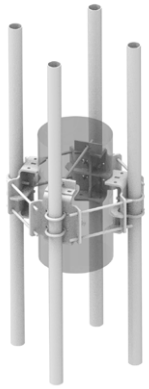


BC-35-14D

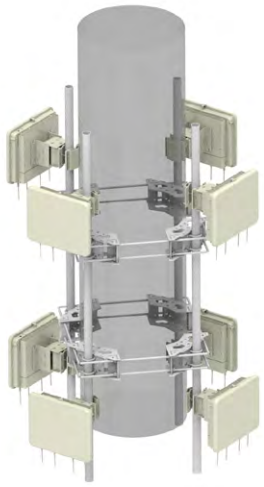
4 SECTOR MOUNT KIT, 6-13" DIAMETER POLES (WOOD OR STEEL)

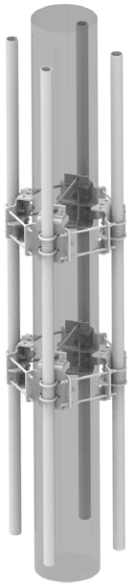
Ordering Information

DESCRIPTION	PART NUMBER
4-Sector pole mount kit for 6"-13" OD poles with (4) 63" pipes	860685851-0613-63
4-ector pole mount kit for 6"-13" OD poles with (4) 108" pipes	860685851-0613-108



860685850-12-63



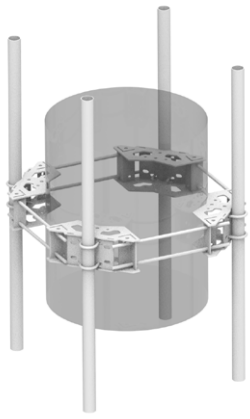


860685851-1250-108

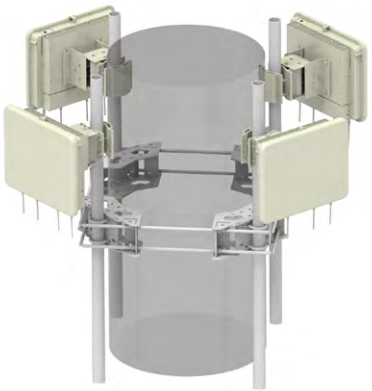
4 SECTOR MOUNT KIT, 12-50" DIAMETER POLES (WOOD OR STEEL)

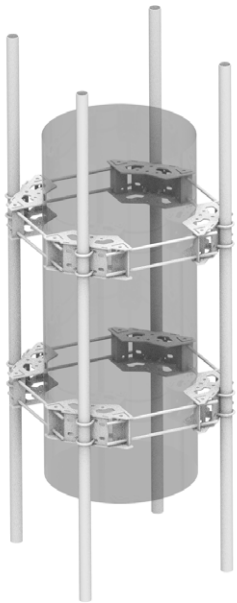
Ordering Information

DESCRIPTION	PART NUMBER
4-Sector pole mount kit for 12"-50" OD poles with (4) 63" pipes	860685851-1250-63
4-Sector pole mount kit for 12"-50" OD poles with (4) 108" pipes	860685851-1250-108



860685851-1250-63



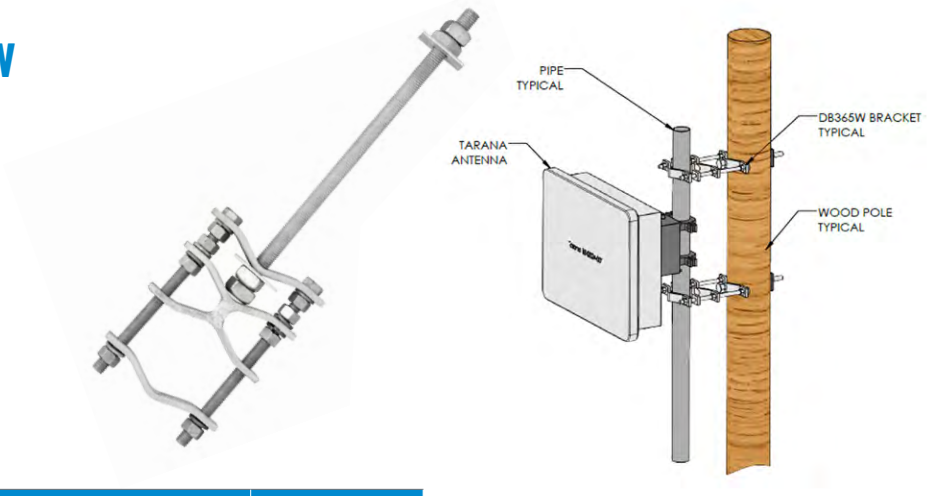


860685851-1250-108

WOOD POLE MOUNT DB365W

Features

- Pipe / Wall mounting kit
- Will hold up to 2.8" round pipe
- Mounts to poles up to 10" diameter



Ordering Information

DESCRIPTION	PART NUMBER
Pipe/wall mounting kit for 2.8" (69.9 mm) OD round members. For mounting antennas to a wood pole or masonry all up to 10" in thickness.	DB365W

SMART-PIPE NOMENCLATURE

BPS-BCE-E-096-H

PIPE MATERIAL
BPS - Bulk Pipe Steel
BPA - Bulk Pipe Aluminum
BPX - Bulk Pipe Custom

PIPE TYPE
A - Structural Tube
B - SCH-40
C - SCH-80
D - SCH-120
E - SCH-10
R - Aluminum Pipe

GRADE
A - A500A-33
B - A500B-43
C - A500C-46
D - A53A-33
E - A53B-35
X - Aluminum

WALL THICKNESS
B - 0.100"
C - 0.120"
D - 0.165"
E - 0.203"
F - 0.216"
G - 0.237"
H - 0.276"
I - 0.330"
J - 0.337"
M - 0.109"
N - 0.154"
P - 0.188"
Q - 0.218"
R - 0.300"
S - 0.226"
T - 0.133"

OUTER DIAMETER
C - 1-1/2"
D - 2-3/8"
E - 2-7/8"
F - 3-1/2"
G - 4-1/2"
J - 4"
K - 1.315"
M - 1.9"
P - 6-5/8"
Q - 5"

LENGTH
8 ft = 96"
9 ft = 108"
10 ft = 120"
10.5 ft = 126"
21 ft = 252"

FINISH
H - Galvanized
B - Bare

Smart-Pipe Example Part Numbers

DESCRIPTION	MATERIAL TYPE	GRADE	WALL THICKNESS INCHES	OUTER DIAMETER INCHES	LENGTH	WEIGHT	YIELD STRENGTH	PART NUMBER
PIPE-GALV, 2.375 OD X 72". 154-SCH40	SCH40	A500 GRC	0.154	2.375	72"	22 lbs.	46000 PSI	BPS-BCN-D-072-H
PIPE-GALV, 2.375 OD X 96". 154-SCH40	SCH40	A500 GRC	0.154	2.375	96"	29 lbs.	46000 PSI	BPS-BCN-D-096-H
PIPE-GALV, 2.375 OD X 120". 154-SCH40	SCH40	A500 GRC	0.154	2.375	120"	36 lbs.	46000 PSI	BPS-BCN-D-120-H
PIPE-GALV, 2.375 OD X 126". 154-SCH40	SCH40	A500 GRC	0.154	2.375	126"	38 lbs.	46000 PSI	BPS-BCN-D-126-H
PIPE-GALV, 2.375 OD X 150". 154-SCH40	SCH40	A500 GRC	0.154	2.375	150"	45 lbs.	46000 PSI	BPS-BCN-D-150-H
PIPE-GALV, 2.375 OD X 174". 154-SCH40	SCH40	A500 GRC	0.154	2.375	174"	52 lbs.	46000 PSI	BPS-BCN-D-174-H
PIPE-GALV, 2.875 OD X 96". 203-SCH40	SCH40	A500 GRC	0.203	2.875	96"	46 lbs.	46000 PSI	BPS-BCE-E-096-H
PIPE-GALV, 2.875 OD X 120". 203-SCH40	SCH40	A500 GRC	0.203	2.875	120"	57 lbs.	46000 PSI	BPS-BCE-E-120-H
PIPE-GALV, 2.875 OD X 174". 203-SCH40	SCH40	A500 GRC	0.203	2.875	174"	83 lbs.	46000 PSI	BPS-BCE-E-174-H
PIPE-GALV, 3.5 OD X 126". 216-SCH40	SCH40	A500 GRC	0.216	3.5	126"	79 lbs.	46000 PSI	BPS-BCF-F-126-H
PIPE-GALV, 3.5 ODX174". 216-SCH40	SCH40	A500 GRC	0.216	3.5	174"	109 lbs.	46000 PSI	BPS-BCF-F-174-H

MONOPOLES

- Kitting available with other steel products
- Designed and manufactured to order – custom designs per project-specific requirements

Ordering Information

DESCRIPTION	PART NUMBER
Monopole that accomodates small cell equipment and smart city devices	860666746



860666746

METRO CELL UNIVERSAL MOUNTING POLES

ANDREW® also offers a full line of metro cell universal mounting poles in addition to our rapid deployment solutions. Available in both 8 5/8" and 10 ¾" OD, our Universal Mounting Poles are offered in multiple heights ranging from 22 feet to 40 feet to fit virtually any equipment AGL requirement. This pole series is also offered with a standard hot-dipped galvanized finish or can be purchased with a powder-coat finish in a number of colors to match local aesthetic requirements.

Standard straight 8 5/8" diameter mounting poles

POLE HEIGHT	LUMINAIRE ARM CAPABLE	MATERIAL ID
22 ft	No	860641110-x22
25 ft	No	860641110-x25
27 ft	Yes	860641110-x27
28 ft	Yes	860641110-x28
30 ft	Yes	860641110-x30
32 ft	Yes	860641110-x32
37 ft	Yes	860641110-x37
40 ft	Yes	860641110-x40

Standard straight 10 3/4" diameter mounting poles

POLE HEIGHT	LUMINAIRE ARM CAPABLE	MATERIAL ID
22 ft	No	860649813-x22
25 ft	No	860649813-x25
27 ft	Yes	860649813-x27
28 ft	Yes	860649813-x28
30 ft	Yes	860649813-x30
32 ft	Yes	860649813-x32
37 ft	Yes	860649813-x37
40 ft	Yes	860649813-x40

Note: To get to desired antenna rad center, antenna height and ANDREW pole top concealment or antenna mount should be added to the pole height. Some pole heights may not be applicable for certain regions/ configurations.



Universal Mounting Poles can also support a variety of installation methods including:

- Standard pier/poured concrete foundation
- Embedded pole foundation
- Pre-cast foundation
- Helical foundation
- Breakaway foundation (weight dependent)

xx denotes color
0 - Galvanized
1 - Light grey
2 - Green
3 - Black
4 - Brown
9 - Metallic silver
16 - White
C - Faux concrete
G - Black green
Z - Antique bronze
Additional custom colors available, ask your ANDREW rep for details.

Universal Metro Cell mounting poles include the following:

- Conduit ports for meter, load center, and/or disconnect at base of pole
- Cable routing port holes for mid-pole or top-of-pole radio concealment enclosure mounting
- Universal attachment plate for ANDREW pole top concealment or antenna mount
- Luminaire arm attachments on three sides with cover plates when no arms are present
- Port hole for future smart city device and/or 5G antenna mounting

DBH DOUBLE HINGE POLE, HEAVY DUTY

Design: Round tapered conical monopole

Foundation: Helical or standard pier/poured concrete

Features: Double hinged, no climbing, single person service, hoist operated counterb hinged design, rivnut mounting, secure locking

Finish: Hot dip galvanized

Includes: Monopole, ground tab, lightning rod and hand holes

Optional: Cabinet mounts, antenna mounts and hoist

DESCRIPTION	PART NUMBER
40' AGL pole	ST-DBH40
60' AGL pole	ST-DBH60







Since 1937, ANDREW, an Amphenol company, has driven the evolution of wireless technology. Trusted by mobile network operators and enterprises globally, we work closely with our customers to deliver innovative solutions that enhance connectivity experiences both outdoors and indoors. Our dedicated global team is committed to advancing the industry, fueled by the vision that a better-connected future is possible.

ANDREW®
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ANDREW.COM

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