

Verizon Wireless

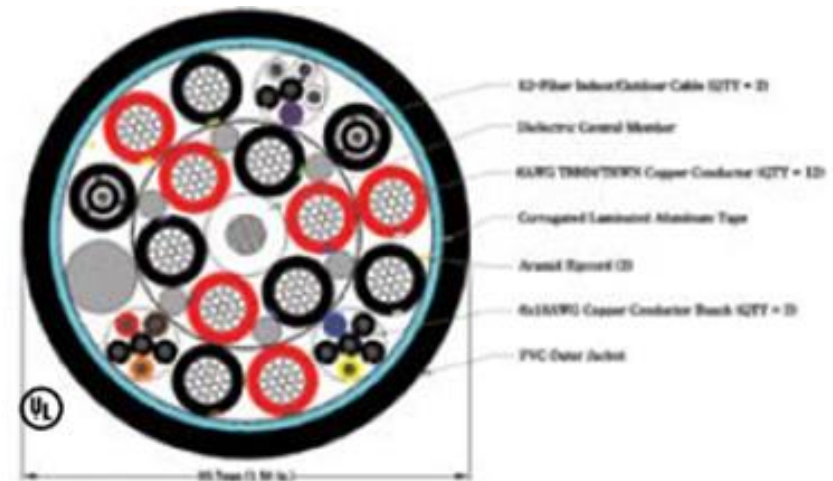
Commscope Hybrid BOM

VZW– HELIAX FiberFeed Trunk Cables

FiberFeed trunk cable assemblies are factory constructed specifically for the devices listed in the Commscope guide for VZW. These cables ensure perfect compatibility and trouble free installation.

Features Include:

- Robust breakout design tailored for specific enclosures
- Stranded construction for easy bending and maximum fiber protection
- Corrugated aluminum shield protects from crush and animal damage
- Integrated rip cords for length management
- Factory test certificate included with every cable assembly



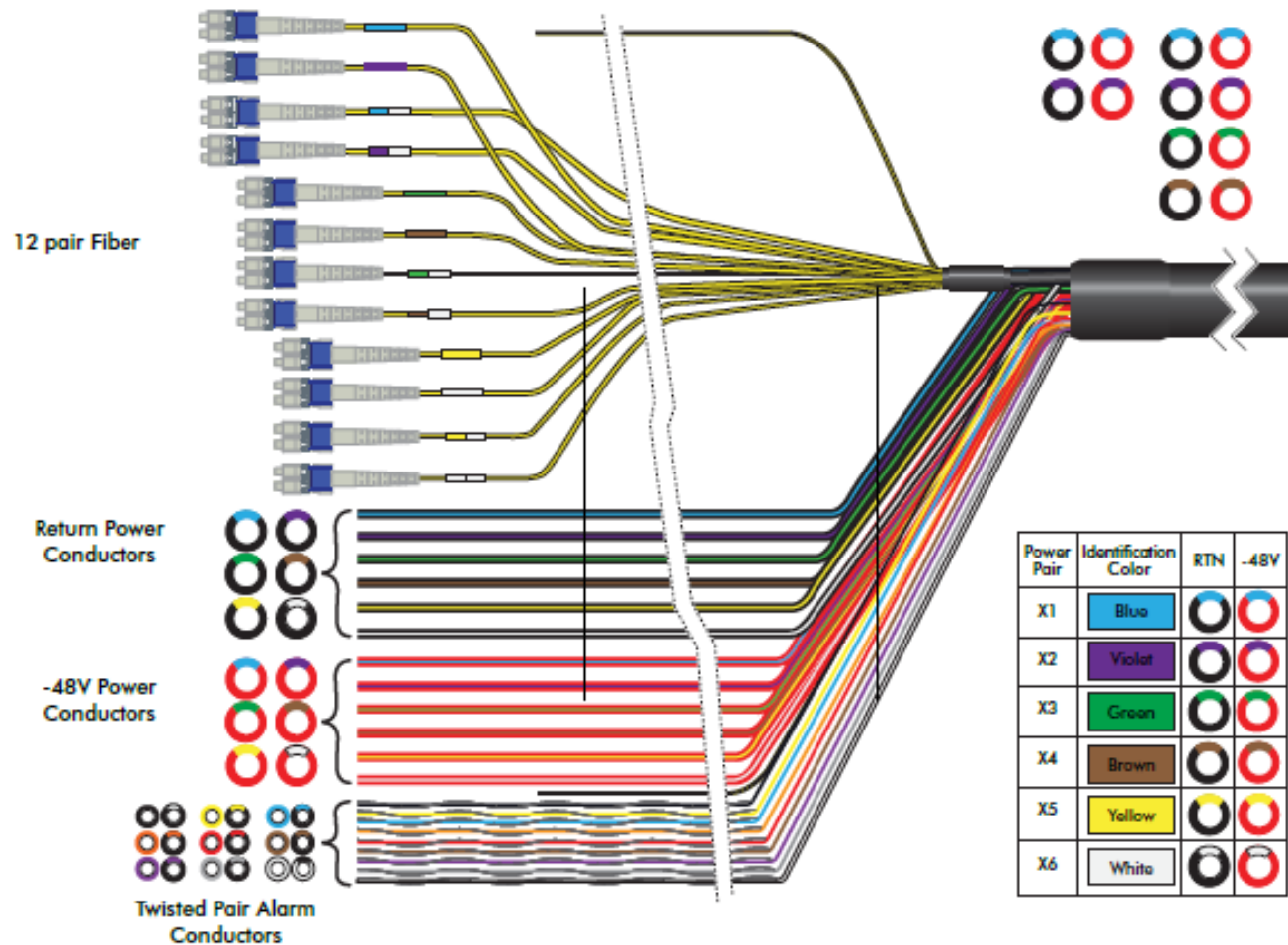
Commscope Recommendation: (stock in the 170 ft to 220 ft range)

Cable Series	RRUs Supported	# of Power Conductors	Power Conductor (AWG)	# of Fibers	End 1 Power/Alarm Breakout (mm)	End 1 Fiber Breakout (mm)	End 2 Power/Alarm Breakout (mm)	End 2 Fiber Breakout (mm)
HFT406-8S48	2	4	6	8	585	4 x 535 4 x 585	585	4 x 1195 4 x 1245
HFT806-16S48	4	8	6	16	725	8 x 950 8 x 1000	725	8 x 950 8 x 1000
HFT1206-24S49	6	12	6	24	725	8 x 900 8 x 950 8 x 1000	725	8 x 900 8 x 950 8 x 1000

VZW– HELIAX FiberFeed Trunk Cables (continued)

HELIAX® FiberFeed® Part Number Explanation

HFT	1206	24	S	49	100
HELIAX® FiberFeed Tray-rated	# of Conductors and gauge	# of Fibers	Fiber Mode	Breakout Code	Length (in feet)



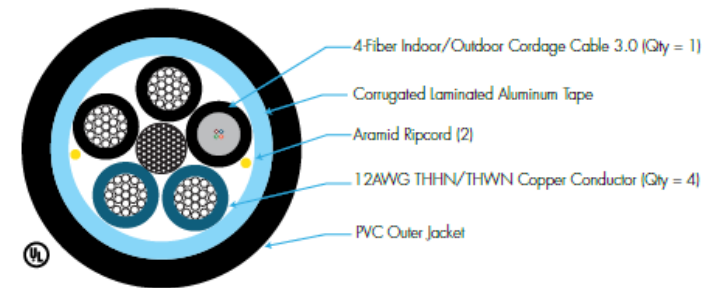
VZW– HELIAX FiberFeed Hybrid Tails

FiberFeed hybrid tails are constructed specifically for the conditions of the last few feet to the radio equipment. VZW utilize multiple power conductors to keep the cable profile as small as possible for easy routing.

Features Include:

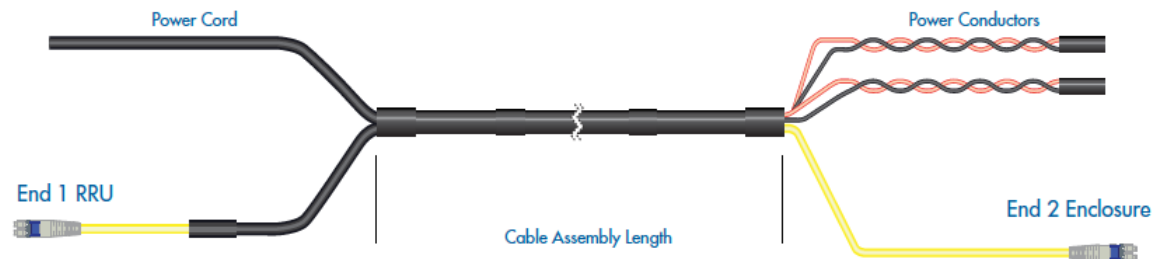
- Smallest cable diameter for high flexibility
- Corrugated aluminum shield resists bird/animal damage
- Exact fit to OVP and RRU
- Configured to accept fiber protection sleeve for the highest fiber safeguarding available

Robust Stranded Cable Construction



HELIAX® FiberFeed® Part Number Explanation

HFT	412	2	S	29	9
HELIAX® FiberFeed Tray-rated	# of Conductors and gauge	# of Fibers	Fiber Mode	Breakout Code	Length (in feet)



Commscope Recommendation:

Part Number	End 1 Power (mm)	Breakout Lengths Fiber (mm)		End 2 Power (mm)	Breakout Lengths Fiber (mm)
HFT412-2S29-15	1000	1000		2 x 850	1250
HFT412-4S29-15	1000	2 x 1000		2 x 850	2 x 1250

VZW – Fiber/Power Connection Management Enclosures

Raycap overvoltage protection boxes utilize proven Strikesorb technology to safeguard capital investments in remote radio units. Models include sector boxes for protection up to 2 RRU and a main breakout box for protection for up to 6 RRU.

Features Include:

- Alarms for SPD sacrifice, moisture detection and intrusion
- Fully recognized to the UL 1449 3rd Edition Safety Standard
- Digital Voltmeter to monitor each DC circuit



Commscope Recommendation:

Part Number	Description
RC3DC-3315-PF-48	Raycap OVP box for up to 6 RRUs, 6 Strikesorb modules, internal voltage indicator.
RC3DC-2260-RM-48	Raycap rack mount power protection system for 6 RRUs, 19 inch mounting brackets, digital voltage monitor
RTF-4575	Fiber Management rack, 2U, 12 Fibers, sliding drawer

VZW – HELIAX FiberFeed Accessories

The HELIAX installation accessories listed were selected specifically for the extra high demands and stresses of hybrid cable installation. These robust designs are made and tested on heavy hybrid cables and are reliable for FiberFeed installations.

Features Include:

- Specifically sized and tested for each cable
- Stainless steel and EPDM components for long term reliability
- Universal tin plated grounding kit for any cable.

Commscope Recommendation:



Part Number	Description	
SSH-38	SnapStak® hanger with grommet for HFT1206 series cable	
29961-C	Hoisting grip for HTF1206 series cable	
FA-R2CT	Fiber connection kit, ALU	
FA-PCS10	Power cable seal kit, ALU RRU	
FA-PCK	Power connector, Infinity Interface, package of 6	
2061664-1-HC3	Full AXS™ fiber protection sleeve	
UG-12158-15B4-T	Universal Grounding Kit	

VZW – Commscope: HELIAX FiberFeed BOM Recommendation

TESSCO SKU	Part Number	Description	Suggest Qty in each distribution center	Quantity to Order
543046 516956 541262	HFT1206-24S49-170 HFT1206-24S49-200 HFT1206-24S49-250	HELIAX FiberFeed Trunk Cables (170, 200, 250 foot lengths).	• 5 of each SKU	• (1) length of each at cost • (1) length of each at cost • (1) length of each at cost
512675 512665	HFT412-2S29-15 HFT412-4S29 -15	Helix FiberFeed Hybrid Tails (top of tower)	• 15 of each SKU	• (1) length of each at cost • (1) length of each at cost
509079	RC3DC-3315-PF-48	Raycap OVP box for up to 6 RRUs, 6 Strikesorb modules, internal voltage indicator.	• 15	• (1) box per 6RRU's
537739	RCMDC-2260-RM-48	Raycap rack mount power protection system for 6 RRUs, 19 inch mounting brackets, digital voltage monitor	• 15	• (1) power protection system per 6RRU's
519379	RTF-4575	Fiber Management rack, 2U, 12 Fibers, sliding drawer	• 15	• (1) rack mount per 6RRU's
538820 537019	SSH-38 SSH-43 (low Inductance)	SnapStak® hanger with grommet for HFT1206 series cable	• 135	• Comes in kits of (10) • Each kit can hold 30 feet of cable
507674	29961-C	Hoisting grip for HTF1206 series cable	• 30	• (1) for every 200 feet of cable
502348	FA-R2CT	Fiber connection kit, ALU	• 12	• For 512675 you will only need (1) fiber connection kit • For 512665 you will need (2) fiber connection kits
517928	FA-PCK	Power connector, Infinity Interface, package of 6	• 15	• (1) pack will serve 6 jumpers (512675, 512665)
570113	2061664-1-HC3	Full AXS™ fiber protection sleeve	• 12	• For 512675 you will only need (1) fiber connection kit • For 512665 you will need (2) fiber connection kits
396052	UG-12158-15B4-T	Universal Grounding Kit	• 30	• Use (2) per length for HFT1206 Series