



DESCRIPTION

Custom Cable produces corrugated copper/ fiber hybrid assemblies with exceptional performance for use over wide installation ranges and in the most critical network applications. All assemblies are manufactured to the highest standards required of today's 4G LTE technologies, remote radio head deployments, and installations.

Split-mount configurations include the Baseband Unit (BBU) that is installed in a shelter or cabinet at the base of a tower, and Remote Radio Units (RRUs) that are installed up on the tower next to the sector panel antennas. One BBU can support multiple RRUs. A vertical fiber optic cable run connects the BBU to the RRUs. The hybrid cable simplifies the installation by reducing the number of vertical cable runs needed to serve the total complement of RRUs. At the top of the hybrid cable vertical run, the appropriate number of power wires and fiber strands are "broken out" into separate cables that plug into the individual RRUs.

All hybrid solutions are built and tested per customer requirements to GR-326 fiber optic quality standards. Each assembly is uniquely serialized and shipped with hard copy test reports. Assemblies are available with short lead times for either standard or custom lengths and are manufactured/ tested by trained & certified personnel. Custom assembly kitting per job site is available along with custom labeling and/ or packaging.

APPLICATIONS

- Transmission Line Feeder Cables
- Split Mount Configurations
- Multiple RRU support
- Technology Upgrade Rollouts
- Emergency Cell Site Restoration

FEATURES AND BENEFITS

- Homerun Solution
- Reduced Installation Time
- Low Insertion Loss
- 100% Factory Tested
- Serialized Cable Traceability to Test Data
- Quick Production Lead Times



DATA SHEET

Hybrid Feeder Solutions Mobile Cell Tower



MOUNTING HARDWARE



Specifications			
Enclosure		Black Anodized Aluminum	3.5" X 6.0" Tube
Pulling Force		2000N (Installation)	
Leg Breakout Length	Fiber	Custom	4.8mm OD
	Power	Custom	6.0mm OD
Number of Breakouts	Fiber	Custom	9 Pair Max
	Power	Custom	4 Pair Max
RRU & Base Station Connectors	Fiber	LC Duplex / IP68 Outdoor LC Duplex	
	Power	Open Ended	
Operating Temperature		-40C ~ +60C	

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