

# Cable Assemblies Hybrid/Composite

## OptiFlex™ Hybrid Connector System (OHCS)

Fiber optic (MPO/MU) and copper connectors

- All in one Power and Optical Solutions
  - Quick locking
  - Secure Mating—High strength cable retention system
  - Designed for all standard MPO or MU contacts
  - High power and voltage drop management
  - Designed for copper conductors from AWG16 to AWG8
  - Long Outdoor Life— UV-resistant— Corrosion free
  - IP68/69
- Factory Terminated cable assemblies available**

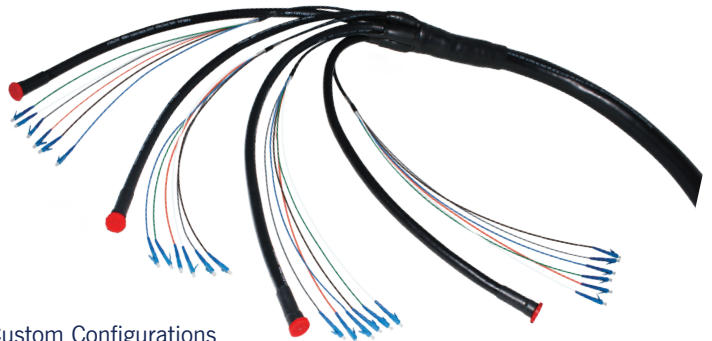
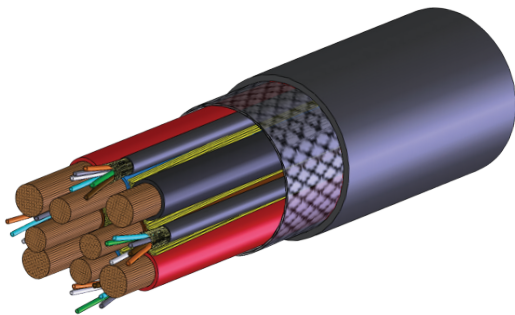


Contact type	Connector type	Backshell	Connector Part number	
			Male insert with male crimp contact	Female insert with female crimp contact
OHCS Hybrid MPO Series	Free hanging receptacle	Cable gland	OHCS1JC20HYBMPN	-
	Jam nut receptacle	Without	OHCS720HYBMPN	-
	Plug	Cable gland	-	OHCS6JC20HYBMPN
OHCS Hybrid MU Series	Free hanging receptacle	Cable gland	OHCS1JC20HYBMUN	-
	Jam nut receptacle	Without	OHCS720HYBMUN	-
	Plug	Cable gland	-	OHCS6JC20HYBMUN

## OptiFlex™

Hybrid Custom Cable Solutions

- Fiber optic and DC power cables
- Factory terminated fiber by Corning certified technicians maximizes system performance
- Flexible copper tape shield serves as grounding function
- Can be deployed in lengths up to 550' with less than 10% voltage drop, based on 950 watt radios. (May vary with custom configurations.)
- Heat, moisture and UV resistant PVC outer jacket with direct burial capability
- Weatherized from end to end, insuring optimal performance in rugged environments



### Standard Configurations

For reference only. Contact Cables Unlimited for breakout and termination options.

Description	Part Number
6 conductor 10 AWG, 2 conductor 8 AWG, 18 strand single-mode (SM) fiber with LC connectors.	6A2B18SMLCXXXFT
2 conductor 10 AWG, 2 conductor 8 AWG, 2 conductor 6 AWG, 6 strand multi-mode (MM) fiber with LC connectors.	2A2B2C6MMSCXXXFT
4 conductor 10 AWG, 4 conductor 8 AWG, 12 strand single-mode (SM) fiber with LC connectors.	4A4B12SMLCXXXFT
2 conductor 8 AWG, 2 conductor 6 AWG, 6 strand multi-mode (MM) fiber with LC connectors.	2A4C06MMLCXXXFT

Note: XXX indicates length in feet

### Custom Configurations

Complete checklist below and contact Cables Unlimited.

Variable	Options
Number of fibers	6 to 48
Single-mode or Multi-mode	SM or MM
AWG of wire conductors (power cables)	2, 4, 6, 8, 10, 12
Number of conductors (power cables)	2, 3, 4, 6, 8
Total length in feet	
<b>Breakout and Terminations – Side A (Tower Top)</b>	
Number of Remote Radio Heads	
Length in feet	
Fiber connector terminations	LC or SC
Power conductor terminations	
<b>Breakout and Terminations – Side B (Bottom/Equipment)</b>	
Length in feet	
Fiber connector terminations	LC or SC
Power conductor terminations	

\*Specifications subject to change without notice. OptiFlex is a trademark of RF Industries