

# PWR-806

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## Base Product

HELIAX® Remote Radio Head Power Cable, 8 conductor, 6 AWG, four Blue and four Grey



## Product Classification

<b>Regional Availability</b>	Europe
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Power cable
<b>Product Brand</b>	HELIAX®

## General Specifications

<b>Application</b>	Remote radio head
<b>Cable Type</b>	Wireless feeder
<b>Conductors, quantity</b>	8
<b>Construction Type</b>	Shielded
<b>Inner Shield (Tape) Material</b>	Corrugated aluminum
<b>Jacket Color</b>	Black
<b>Outer Shield (Tape) Material</b>	PVC
<b>Strength Members</b>	Glass reinforced plastic rod
<b>Water Blocking Method</b>	Water blocking tape(s)   Water blocking threads

## Dimensions

<b>Diameter Over Jacket</b>	754.837 mm   29.718 in
<b>Conductor Gauge</b>	6 AWG

## Electrical Specifications

<b>dc Resistance Note</b>	Maximum value based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, maximum</b>	7.041 ohms/km   2.146 ohms/kft

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## Material Specifications

**Ripcord Material** Para-aramid synthetic fiber

## Mechanical Specifications

**Minimum Bend Radius, multiple bends, loaded** 591.82 mm | 23.3 in  
**Minimum Bend Radius, multiple bends, unloaded** 294.64 mm | 11.6 in  
**Minimum Bend Radius, single bend, unloaded** 205.74 mm | 8.1 in  
**Tensile Load, long term, maximum** 1,067.573 N | 240 lbf  
**Tensile Load, short term, maximum** 3,558.576 N | 800 lbf  
**Compression** 4.5 kg/mm | 252 lb/in  
**Compression Test Method** FOTP-41  
**Flex Test Method** FOTP-104  
**Impact** 5.88 N-m | 52.042 in lb  
**Impact Test Method** FOTP-25  
**Twist** 10 cycles  
**Twist Test Method** FOTP-85

## Environmental Specifications

**Installation temperature** -30 °C to +70 °C (-22 °F to +158 °F)  
**Operating Temperature** -40 °C to +80 °C (-40 °F to +176 °F)  
**Storage Temperature** -40 °C to +80 °C (-40 °F to +176 °F)  
**Environmental Space** Wireless installation

## Packaging and Weights

**Cable weight** 1,296.191 kg/km | 871 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable