PWR-810

Base Product

HELIAX® Remote Radio Head Power Cable, 8 conductor, 10 AWG, four Blue and four Grey

Product Classification

Regional Availability	Europe
Portfolio	CommScope®
Product Type	Hybrid cable, fiber and power
Product Brand	HELIAX®

General Specifications

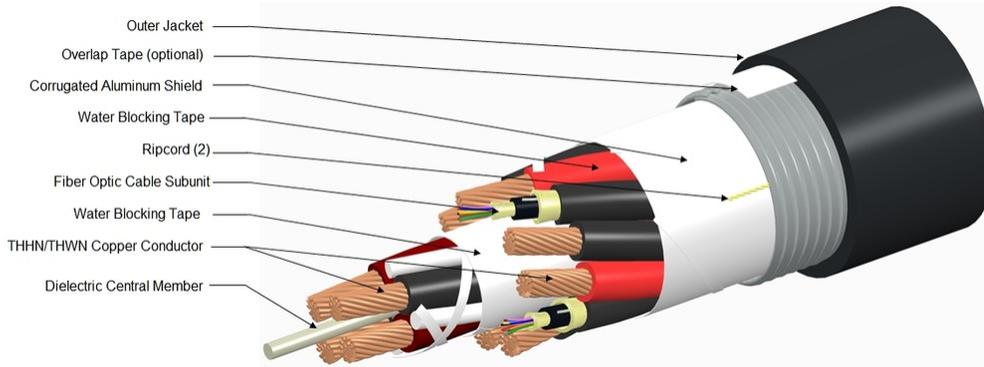|	
Application	Remote radio head
Cable Type	Wireless feeder
Conductors, quantity	8
Construction Type	Shielded
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PVC
Strength Members	Glass reinforced plastic rod
Water Blocking Method	Water blocking tape(s)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

Dimensions

Diameter Over Jacket	27.686 mm	1.09 in
Conductor Gauge	10 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
dc Resistance, maximum	3.412 ohms/km	1.04 ohms/kft

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Representative Image

Outer Jacket	
Overlap Tape (optional)	
Corrugated Aluminum Shield	
Water Blocking Tape	
Ripcord (2)	
Fiber Optic Cable Subunit	
Water Blocking Tape	
THHN/THWN Copper Conductor	
Dielectric Central Member	

Material Specifications

Ripcord Material	Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	556.26 mm | 21.9 in
Minimum Bend Radius, multiple bends, unloaded	279.4 mm | 11 in
Minimum Bend Radius, single bend, unloaded	195.58 mm | 7.7 in
Tensile Load, long term, maximum	800.68 N | 180 lbf
Tensile Load, short term, maximum	2,668.932 N | 600 lbf
Compression	2.25 kg/mm | 126 lb/in
Compression Test Method	FOTP-41
Flex Test Method	FOTP-104
Impact	4.34 ft lb | 5.884 N-m
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

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Packaging and Weights

Cable weight   1,004.511 kg/km | 675 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

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