

HELIAX® Hybrid Cable with Concentric Conductors, UL Type RHC

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	HELIAX®

General Specifications

Application	Remote radio head
Alarm Wire, quantity	18
Cable Type	Wireless feeder
Conductors, quantity	12
Construction Type	Shielded
Fiber Short Description	RFF-6 AWG concentric
Fiber Type, quantity	24
Fibers per Subunit, quantity	12
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PVC
Strength Members	Glass reinforced plastic rod
Subunit, quantity	2
Total Fiber Count	24
Water Blocking Method	Water blocking tape(s) Water blocking threads

Dimensions

Buffer Tube/Subunit Diameter	9.144 mm 0.36 in
Diameter Over Jacket	43.434 mm 1.71 in
Alarm Wire Gauge	18 AWG
Conductor Gauge	6 AWG concentric

Electrical Specifications

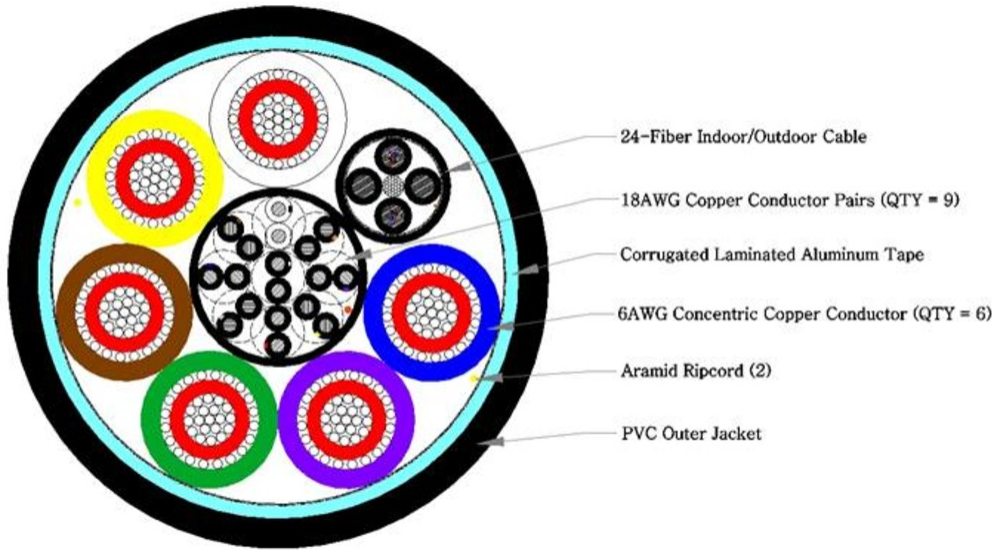
dc Resistance Note

Maximum value based on a standard condition of 20 °C (68 °F)

dc Resistance, maximum

1.352 ohms/km | 0.412 ohms/kft

Representative Image



Material Specifications

Ripcord Material

Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	868.68 mm 34.2 in
Minimum Bend Radius, multiple bends, unloaded	520.7 mm 20.5 in
Minimum Bend Radius, single bend, unloaded	119.38 mm 4.7 in
Tensile Load, long term, maximum	2,001.699 N 450 lbf
Tensile Load, short term, maximum	6,672.33 N 1500 lbf
Compression	4.465 kg/mm 250 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

Optical Specifications

760210922 | HRC-24SM-1206C-1818-APV

Fiber Type

G.657.A2/B2 | G.657.A2/B2

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)

Cable Qualification Standards

ANSI/ICEA S-104-696 | ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409 | UL 2882

Environmental Space

Wireless installation

Packaging and Weights

Cable weight

2,854.298 kg/km | 1918 lb/kft

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8G-MP

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Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable