

760221284 | HTC-48SM-1204-APVA

HELIAX® Hybrid Cable, UL Type TC-OF

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type

Hybrid cable, copper and fiber

Product Brand

HELIAX®

General Specifications

Application

Remote radio head

Cable Type

Wireless feeder

Conductors, quantity

12

Construction Type

Shielded

Inner Shield (Tape) Material

Corrugated aluminum

Jacket Color

Black

Strength Members

Glass reinforced plastic rod

Subunit, quantity

4

Fibers per Subunit, quantity

12

Total Fiber Count

48

Dimensions

Buffer Tube/Subunit Diameter

2.489 mm | 0.098 in

Diameter Over Jacket

44.704 mm | 1.76 in

Conductor Gauge

4 AWG

Electrical Specifications

dc Resistance Note

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

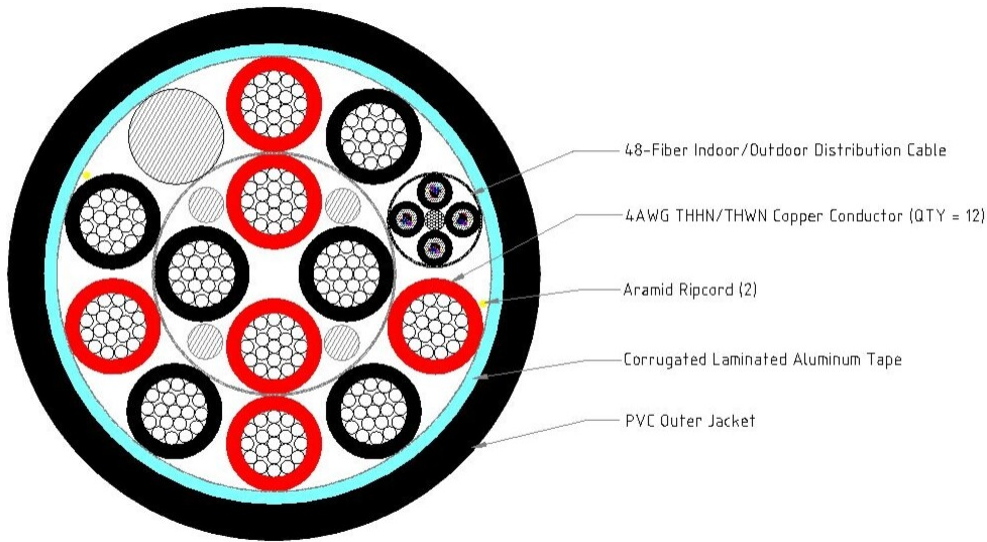
dc Resistance, maximum

0.85 ohms/km | 0.259 ohms/kft

Safety Voltage Rating

600 V

Representative Image



Material Specifications

Jacket Material	PVC
Ripcord Material	Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	721.36 mm 28.4 in
Minimum Bend Radius, multiple bends, unloaded	360.68 mm 14.2 in
Minimum Bend Radius, single bend, unloaded	251.46 mm 9.9 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

Fiber Type	G.657.A2/B2 G.657.A2/B2
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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 1277
Environmental Space	Wireless installation

Packaging and Weights

Cable weight	3,576.058 kg/km 2403 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

