

HELIAX® Hybrid Cable, UL Type TC-OF-ER

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 | 2 |
| Cable Type | Wireless feeder |
| Conductors, quantity | 10 |
| Construction Type | Shielded |
| Fiber Short Description | RFF – 6AWG |
| Fiber Type, quantity | 36 |
| 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 | 3 |
| Total Fiber Count | 36 |

Dimensions

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|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 6.096 mm 0.24 in |
| Diameter Over Jacket | 35.306 mm 1.39 in |
| Alarm Wire Gauge | 18 AWG |
| Conductor Gauge | 6 AWG |

Electrical Specifications

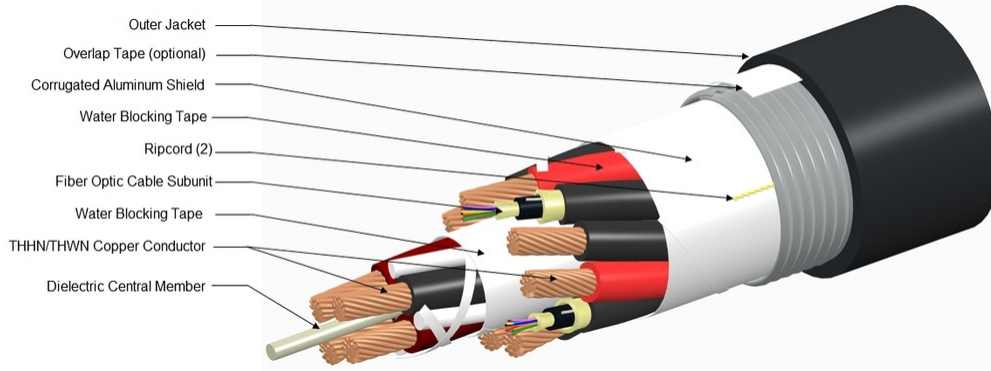
| | |
|---------------------------|--|
| dc Resistance Note | Maximum value based on a standard condition of 20 °C (68 °F) |
|---------------------------|--|

760185926 | HTC-36SM-1006-218-APV

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 708.66 mm | 27.9 in

Minimum Bend Radius, multiple bends, unloaded 353.06 mm | 13.9 in

Minimum Bend Radius, single bend, unloaded 248.92 mm | 9.8 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

Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F)

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| | |
|--------------------------------------|---|
| 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 | 2,113.193 kg/km 1420 lb/kft |
|---------------------|-------------------------------|

Regulatory Compliance/Certifications

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



Included Products

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| CS-8G-MP | - | Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2) |
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable