HELIAX® Remote Radio Head Power Cable, 2 conductor with shield, 8 AWG (8.37 mm²)

Product Classification

Regional Availability | North America
Portfolio | CommScope®
Product Type | Power cable
Product Brand | HELIAX®
Product Series | PWRT
Ordering Note | CommScope® non-standard product

General Specifications

Cable Type | Power
Conductor Type, singles | Stranded
Conductors, quantity | 2
Construction Type | Discrete power cable | Non-armored
Jacket Color | Black
Jacket Color, singles | Red
Supported Application | Industrial

Dimensions

Diameter Over Conductor, singles, specific | 0.1420 in per 19 strands | 0.1420 in per 19 strands | 0.1570 in per 168 strands | 1.55 mm per 30 strands
Diameter Over Dielectric | 6.147 mm | 0.242 in
Diameter Over Jacket, nominal | 11.506 mm | 0.453 in
Diameter Over Jacket, maximum | 11.684 mm | 0.46 in
Diameter Over Shield (Braid) | 8.89 mm | 0.35 in
Jacket Thickness | 1.194 mm | 0.047 in
Conductor Gauge, singles | 8 AWG
Outer Shield (Braid) Gauge | 36 AWG

Cross Section Drawing
Electrical Specifications

Conductor dc Resistance | 2.231 ohms/km | 0.68 ohms/kft
Conductor dc Resistance Note | Maximum value based on a standard condition of 20 °C (68 °F)
Safety Voltage Rating | 600 V

Material Specifications

Dielectric Material | PVC
Ground Wire Material | Tinned copper
Insulation Material, singles | PVC
Jacket Material | PVC
Outer Shield (Braid) Coverage | 65 %
Outer Shield (Braid) Material | Tinned copper
Outer Shield (Tape) Material  
Aluminum/Poly, non-bonded

Environmental Specifications

Operating Temperature  
-40 °C to +90 °C (-40 °F to +194 °F)

Environmental Space  
UV resistant for outdoor and/or direct burial installations

Safety Standard  
NEC Article 336 (Type TC)

Packaging and Weights

Cable weight  
312.514 kg/km | 210 lb/kft

Regulatory Compliance/Certifications

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<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
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<td>ROHS</td>
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<td>UK-ROHS</td>
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* Footnotes

Operating Temperature  
Specification applicable to non-terminated bulk fiber cable