

PWRT-208-S

HELIAX® Remote Radio Head Power Cable, 2 conductor with shield, 8 AWG (8.37 mm²), one Red Conductor and one Black Conductor



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

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

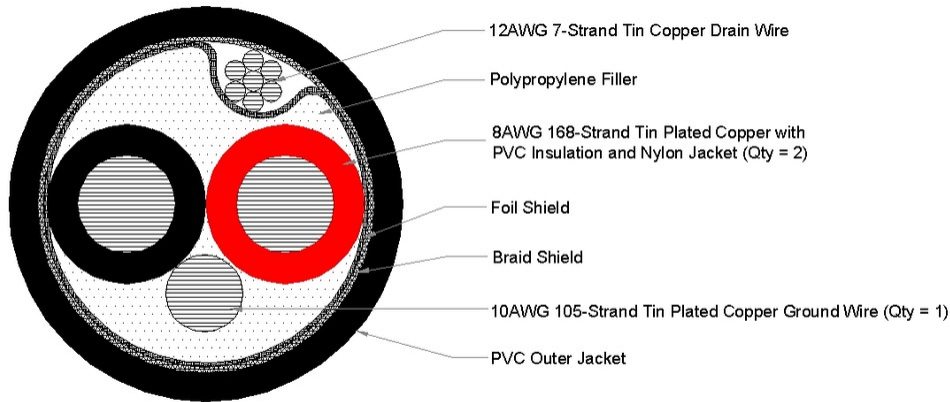
Dimensions

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|---|---------------------------|
| Diameter Over Conductor, singles, specific | 0.1570 in per 168 strands |
| Diameter Over Dielectric | 6.147 mm 0.242 in |
| Diameter Over Drain Wire, specific | 2.5700 in per 7 strands |
| Diameter Over Ground Wire | 3.2 mm 0.126 in |
| Diameter Over Jacket, nominal | 16.154 mm 0.636 in |
| Diameter Over Jacket, maximum | 16.434 mm 0.647 in |
| Diameter Over Shield (Braid) | 11.938 mm 0.47 in |
| Jacket Thickness | 1.143 mm 0.045 in |

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|-----------------------------------|--------|
| Conductor Gauge, singles | 8 AWG |
| Drain Wire Gauge | 12 AWG |
| Ground Wire Gauge | 10 AWG |
| Outer Shield (Braid) Gauge | 36 AWG |

Cross Section Drawing



Electrical Specifications

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|-------------------------------------|--|
| Conductor dc Resistance | 2.198 ohms/km 0.67 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

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|--------------------------------------|---------------------------|
| Conductor Material | Tinned copper |
| Dielectric Material | PVC |
| Drain Wire Material | Tinned copper |
| Filler Material | Polypropylene |
| 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 |

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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 | 431.568 kg/km 290 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