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

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

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
PWRT-208-S

### Diameter Over Shield (Braid)
11.938 mm | 0.47 in

### Jacket Thickness
1.143 mm | 0.045 in

### Conductor Gauge, singles
8 AWG

### Drain Wire Gauge
12 AWG

### Ground Wire Gauge
10 AWG

### Outer Shield (Braid) Gauge
36 AWG

## Cross Section Drawing

![Cross Section Drawing](image)

### Electrical Specifications

- **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

- **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

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
ISO 9001:2015

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

* Footnotes

Operating Temperature  Specification applicable to non-terminated bulk fiber cable