

# PWRT-604-S

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HELIAX® Remote Radio Head Power Cable, 3 conductor with shield, 4 AWG



## Product Classification

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

## General Specifications

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>Cable Type</b>              | Power                              |
| <b>Conductor Type, singles</b> | Stranded                           |
| <b>Conductors, quantity</b>    | 3                                  |
| <b>Construction Type</b>       | Discrete power cable   Non-armored |
| <b>Ground Wire Type</b>        | Stranded                           |
| <b>Jacket Color</b>            | Black                              |
| <b>Jacket Color, singles</b>   | Blue   Green   Orange   Red        |
| <b>Supported Application</b>   | Industrial                         |

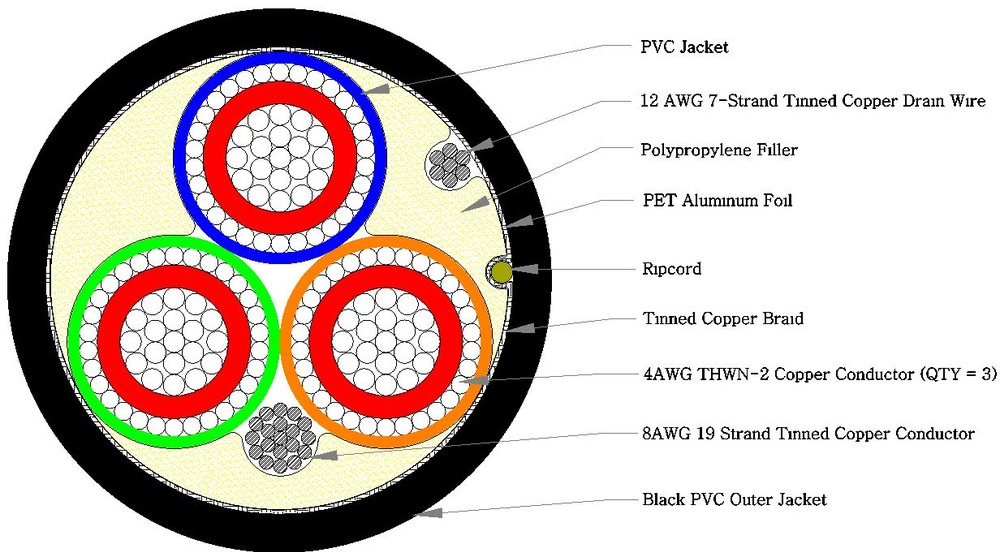
## Dimensions

|   |                          |
|---|--------------------------|
| <b>Diameter Over Conductor, singles, specific</b> | 0.2340 in per 19 strands |
| <b>Diameter Over Dielectric</b>                   | 8.077 mm   0.318 in      |
| <b>Diameter Over Drain Wire, specific</b>         | 2.1380 in per 7 strands  |
| <b>Diameter Over Ground Wire</b>                  | 3.607 mm   0.142 in      |
| <b>Diameter Over Jacket, nominal</b>              | 29.439 mm   1.159 in     |
| <b>Diameter Over Jacket, maximum</b>              | 30.226 mm   1.19 in      |

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|                                     |                      |
|-------------------------------------|----------------------|
| <b>Diameter Over Shield (Braid)</b> | 25.171 mm   0.991 in |
| <b>Jacket Thickness</b>             | 2.032 mm   0.08 in   |
| <b>Conductor Gauge, singles</b>     | 4 AWG                |
| <b>Drain Wire Gauge</b>             | 12 AWG               |
| <b>Ground Wire Gauge</b>            | 8 AWG                |
| <b>Outer Shield (Braid) Gauge</b>   | 34 AWG               |

## Cross Section Drawing



## Electrical Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Conductor dc Resistance</b>      | 0.853 ohms/km   0.26 ohms/kft                                |
| <b>Conductor dc Resistance Note</b> | Maximum value based on a standard condition of 20 °C (68 °F) |
| <b>Safety Voltage Rating</b>        | 600 V  |

## Material Specifications

|                                     |               |
|-------------------------------------|---------------|
| <b>Conductor Material</b>           | Tinned copper |
| <b>Dielectric Material</b>          | PVC           |
| <b>Drain Wire Material</b>          | Tinned copper |
| <b>Filler Material</b>              | Polypropylene |
| <b>Ground Wire Material</b>         | Tinned copper |
| <b>Insulation Material, singles</b> | PVC           |

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|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Jacket Material</b>               | PVC                       |
| <b>Outer Shield (Braid) Coverage</b> | 65 %                      |
| <b>Outer Shield (Braid) Material</b> | Tinned copper             |
| <b>Outer Shield (Tape) Material</b>  | Aluminum/Poly, non-bonded |

## Environmental Specifications

|                              |   |
|------------------------------|---|
| <b>Operating Temperature</b> | -40 °C to +90 °C (-40 °F to +194 °F)                        |
| <b>Environmental Space</b>   | UV resistant for outdoor and/or direct burial installations |
| <b>Safety Standard</b>       | NEC Article 336 (Type TC-ER)                                |

## Packaging and Weights

|                     |                               |
|---------------------|-------------------------------|
| <b>Cable weight</b> | 1,860.205 kg/km   1250 lb/kft |
|---------------------|-------------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable