

# PWRT-208-S

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HELIAX® Remote Radio Head Power Cable, 2 conductor with shield, 8 AWG (8.37 mm<sup>2</sup>), one Red Conductor and one Black Conductor



## 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>	2
<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>	Black   Red
<b>Supported Application</b>	Industrial

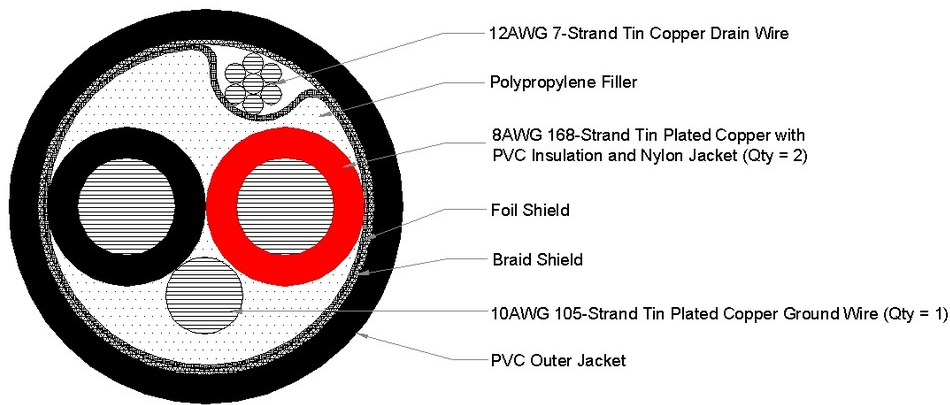
## Dimensions

<b>Diameter Over Conductor, singles, specific</b>	0.1570 in per 168 strands
<b>Diameter Over Dielectric</b>	6.147 mm   0.242 in
<b>Diameter Over Drain Wire, specific</b>	2.5700 in per 7 strands
<b>Diameter Over Ground Wire</b>	3.2 mm   0.126 in
<b>Diameter Over Jacket, nominal</b>	16.154 mm   0.636 in
<b>Diameter Over Jacket, maximum</b>	16.434 mm   0.647 in

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<b>Diameter Over Shield (Braid)</b>	11.938 mm   0.47 in
<b>Jacket Thickness</b>	1.143 mm   0.045 in
<b>Conductor Gauge, singles</b>	8 AWG
<b>Drain Wire Gauge</b>	12 AWG
<b>Ground Wire Gauge</b>	10 AWG
<b>Outer Shield (Braid) Gauge</b>	36 AWG

## Cross Section Drawing



## Electrical Specifications

<b>Conductor dc Resistance</b>	2.198 ohms/km   0.67 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
<b>Jacket Material</b>	PVC
<b>Outer Shield (Braid) Coverage</b>	65 %

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<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)

## Packaging and Weights

<b>Cable weight</b>	431.568 kg/km   290 lb/kft
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## 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