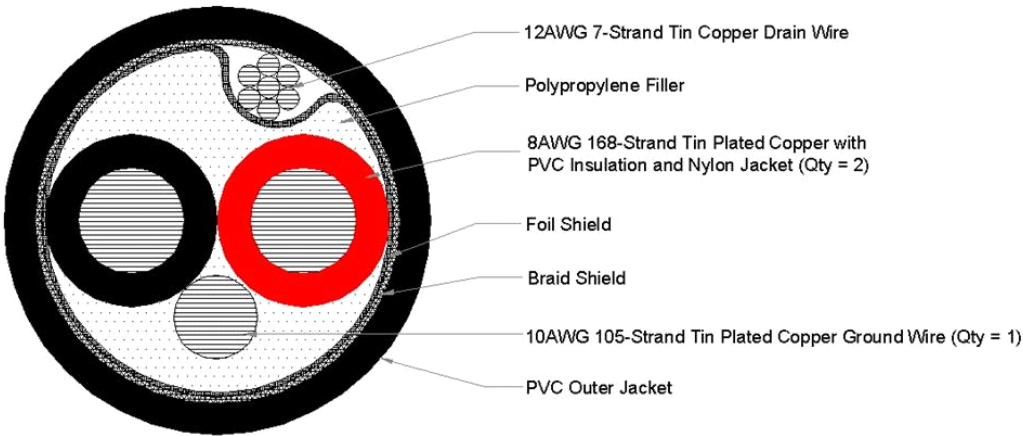# PWRT-208-S

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

Product Classification

Portfolio	CommScope®
Brand	FiberFeed®	HELIAX®
Product Series	PWRT
Regional Availability	North America

Cross Section Drawing

- 12AWG 7-Strand Tin Copper Drain Wire
- Polypropylene Filler
- 8AWG 168-Strand Tin Plated Copper with PVC Insulation and Nylon Jacket (Qty = 2)
- Foil Shield
- Braid Shield
- 10AWG 105-Strand Tin Plated Copper Ground Wire (Qty = 1)
- PVC Outer Jacket

General Specifications

Ordering Note	CommScope® non-standard product

Construction Materials

Construction Type	Non-armored
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) Gauge	36 AWG

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Outer Shield (Braid) Material	Tinned copper
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Dimensions

Cable Weight	0.43 kg/m | 0.29 lb/ft
Diameter Over Conductor, singles, specific	0.1570 in per 168 strands
Diameter Over Dielectric	6.1468 mm | 0.2420 in
Diameter Over Drain Wire, specific	2.5700 in per 7 strands
Diameter Over Ground Wire	3.200 mm | 0.126 in
Diameter Over Jacket, nominal	14.224 mm | 0.560 in
Diameter Over Shield (Braid)	11.938 mm | 0.470 in
Jacket Thickness	1.143 mm | 0.045 in

Electrical Specifications

Conductor dc Resistance	0.67 ohms/kft | 2.21 ohms/km
Conductor dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
Safety Voltage Rating	600 V

Environmental Specifications

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

General Specifications

Cable Type	Power
Jacket Color	Black
Supported Application	Industrial
Conductor Gauge, singles	8 AWG
Conductor Type, singles	Stranded
Conductors, quantity	2
Construction Type	Discrete power cable
Drain Wire Gauge	12 AWG
Ground Wire Gauge	10 AWG
Ground Wire Type	Stranded
Jacket Color, singles	Black | Red

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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9001:2015

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