

PWRT-604-S

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



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	3
Construction Type	Discrete power cable Non-armored
Ground Wire Type	Stranded
Jacket Color	Black
Jacket Color, singles	Blue Green Orange Red
Supported Application	Industrial

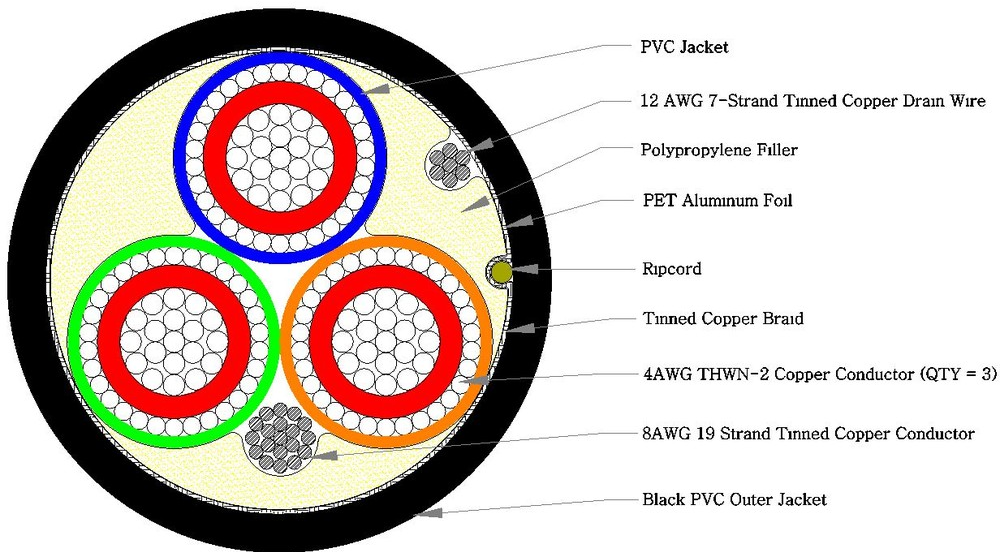
Dimensions

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

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

Cross Section Drawing



Electrical Specifications

Conductor dc Resistance	0.853 ohms/km 0.26 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

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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-ER)

Packaging and Weights

Cable weight	1,860.205 kg/km 1250 lb/kft
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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