

PWRT-312-SC

HELIAX® Remote Radio Head Power Cable, 3 conductor with shield, 12 AWG (3.31 mm²), one Red Conductor, one Black Conductor and one Green Conductor



OBSOLETE

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	Black Green Red
Supported Application	Industrial

Dimensions

Diameter Over Conductor, singles, specific	0.1010 in per 65 strands
Diameter Over Dielectric	3.581 mm 0.141 in
Diameter Over Drain Wire, specific	1.5200 in per 7 strands

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Diameter Over Ground Wire	2.565 mm 0.101 in
Diameter Over Jacket, nominal	10.617 mm 0.418 in
Diameter Over Jacket, maximum	11.125 mm 0.438 in
Diameter Over Shield (Braid)	7.823 mm 0.308 in
Jacket Thickness	1.143 mm 0.045 in
Conductor Gauge, singles	12 AWG
Ground Wire Gauge	12 AWG
Outer Shield (Braid) Gauge	36 AWG

Electrical Specifications

Conductor dc Resistance	5.512 ohms/km 1.68 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	163.698 kg/km 110 lb/kft
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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