

PWRT-312-SC



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

Product Classification

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

General Specifications

Ordering Note	CommScope® non-standard product
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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
Outer Shield (Braid) Material	Tinned copper
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Dimensions

Cable Weight	0.16 kg/m 0.11 lb/ft
Diameter Over Conductor, singles	2.5654 mm per 65 strand 0.1010 in per 65 strand
Diameter Over Dielectric	3.5814 mm 0.1410 in
Diameter Over Drain Wire	1.5200 mm per 7 strand 0.0598 in per 7 strand
Diameter Over Ground Wire	2.565 mm 0.101 in
Diameter Over Jacket, nominal	10.109 mm 0.398 in
Diameter Over Shield (Braid)	7.823 mm 0.308 in
Jacket Thickness	1.143 mm 0.045 in

Electrical Specifications

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Conductor dc Resistance	1.68 ohms/kft 5.51 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	12 AWG
Conductor Type, singles	Stranded
Conductors, quantity	3
Construction Type	Discrete power cable
Ground Wire Gauge	12 AWG
Ground Wire Type	Stranded
Jacket Color, singles	Black Green Red

Regulatory Compliance/Certifications

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

