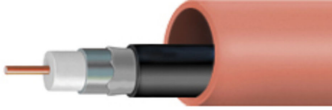


# CX3450012 | 150T135P3750JCASS COEX

ConQuest® Cable in Conduit, 1 1/2 in, SDR 13.5, terracotta (P3® 750 JCASS)



- \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

<b>Regional Availability</b>	North America
<b>Product Type</b>	Coaxial cable-in-conduit
<b>Product Brand</b>	ConQuest®
<b>Product Series</b>	750 Series
<b>Government Funding</b>	Build America Buy America (BABA) compliant*

## General Specifications

<b>Cable Type</b>	750 Series
<b>Cable-In-Conduit Type</b>	P3® in duct
<b>Color</b>	Terracotta
<b>Conduit Type</b>	Non-toneable
<b>Wall Type</b>	Smooth

## Dimensions

<b>Length</b>	762 m   2500 ft
<b>Wall Thickness Designation</b>	SDR 13.5
<b>Nominal Size</b>	1-1/2 in

## Packaging and Weights

<b>Weight, net</b>	815.514 kg/km   548 lb/kft
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## Included Products

5304203 P3® 750 JCASS	-	75 Ohm P3® Trunk and Distribution Cable, black PE jacket, flooded for underground
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# CX3450012 | 150T135P3750JCASS COEX

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CX3499999  
150T135 EMPTY DUCT COEX

ConQuest® Empty Conduit, 1 1/2 in, SDR 13.5, terracotta

75 Ohm P3® Trunk and Distribution Cable, black PE jacket, flooded for underground



- \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

<b>Regional Availability</b>	North America
<b>Product Type</b>	Coaxial hardline cable
<b>Product Brand</b>	P3®
<b>Government Funding</b>	Build America Buy America (BABA) compliant*
<b>Warranty</b>	One year

## General Specifications

<b>Cable Type</b>	750 Series
<b>Construction Type</b>	Swaged
<b>Jacket Color</b>	Black
<b>Short Description</b>	P3 750 JCASS SM PR997

## Dimensions

<b>Cable Length</b>	762 m   2500 ft
<b>Diameter Over Center Conductor, nominal</b>	4.242 mm   0.167 in
<b>Diameter Over Dielectric, nominal</b>	17.323 mm   0.682 in
<b>Diameter Over Jacket, nominal</b>	21.082 mm   0.83 in
<b>Diameter Over Outer Conductor, nominal</b>	19.05 mm   0.75 in
<b>Jacket Thickness, nominal</b>	0.889 mm   0.035 in
<b>Outer Conductor Thickness, nominal</b>	0.864 mm   0.034 in

## Electrical Specifications

<b>Capacitance</b>	50.197 pF/m   15.3 pF/ft
<b>Capacitance Tolerance</b>	±1.0 pF/ft

# 5304203 | P3® 750 JCASS

<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±2 ohm
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, Inner Conductor, nominal</b>	1.87 ohms/km   0.57 ohms/kft
<b>dc Resistance, Loop, nominal</b>	2.493 ohms/km   0.76 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	0.623 ohms/km   0.19 ohms/kft
<b>Jacket Spark Test Voltage</b>	5000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	87 %
<b>Operating Frequency Band</b>	5–3000 MHz
<b>Structural Return Loss</b>	24 dB @ 1003–1218 MHz   24 dB @ 1219–1794 MHz   30 dB @ 5–1002 MHz
<b>Structural Return Loss, Grade N</b>	≥24 dB @ 1003–1218 MHz   ≥24 dB @ 1219–1794 MHz   ≥30 dB @ 5–1002 MHz

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	0.36	0.11
55.0	1.21	0.37
85.0	1.51	0.46
204.0	2.36	0.72
211.0	2.43	0.74
250.0	2.66	0.81
300.0	2.92	0.89
350.0	3.18	0.97
400.0	3.44	1.05
450.0	3.67	1.12
500.0	3.87	1.18
550.0	4.07	1.24
600.0	4.3	1.31
750.0	4.86	1.48
865.0	5.28	1.61
1002.0	5.72	1.74
1218.0	6.41	1.95
1500.0	7.3	2.23
1794.0	8.07	2.46

# 5304203 | P3® 750 JCASS

1800.0	8.08	2.46
2000.0	8.57	2.61
2200.0	9.05	2.76
2500.0	9.73	2.96
2700.0	10.16	3.1
3000.0	10.8	3.29

## Material Specifications

<b>Center Conductor Material</b>	Copper-clad aluminum
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PE
<b>Outer Conductor Material</b>	Aluminum

## Mechanical Specifications

<b>Minimum Bend Radius, bonded</b>	152.4 mm   6 in
<b>Pulling Tension, maximum</b>	306.175 kg   675 lb

## Environmental Specifications

<b>Corrosion Protection</b>	Migraheal®
<b>Environmental Space</b>	Buried

## Packaging and Weights

<b>Packaging Type</b>	Reel
<b>Weight, gross</b>	398.828 kg/km   268 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



# CX3499999 | 150T135 EMPTY DUCT COEX



ConQuest® Empty Conduit, 1 1/2 in, SDR 13.5, terracotta

## Product Classification

<b>Product Type</b>	Empty conduit
<b>Product Brand</b>	ConQuest®

## General Specifications

<b>Color</b>	Terracotta
<b>Conduit Type</b>	Non-toneable
<b>Density Test Method</b>	ASTM D792A
<b>Density, maximum</b>	0.955 g/cm <sup>3</sup>   0.035 lb/in <sup>3</sup>
<b>Density, minimum</b>	0.941 g/cm <sup>3</sup>   0.034 lb/in <sup>3</sup>
<b>Design Standard</b>	ASTM D3350-05
<b>Wall Type</b>	Smooth

## Dimensions

<b>Length</b>	914.4 m   3000 ft
<b>Inner Diameter, nominal</b>	40.589 mm   1.598 in
<b>Outer Diameter, nominal</b>	48.26 mm   1.9 in
<b>Wall Thickness Designation</b>	SDR 13.5
<b>Wall Thickness, minimum</b>	3.581 mm   0.141 in
<b>Nominal Size</b>	1-1/2 in

## Material Specifications

<b>Flexural Modulus, minimum</b>	551.581 N/mm <sup>2</sup>   80000 psi
<b>Flexural Property Test Method</b>	ASTM D790
<b>Hydrostatic Design Basis</b>	Not pressure rated
<b>Hydrostatic Design Test Method</b>	ASTM D2837
<b>Material Type</b>	High density polyethylene (HDPE)
<b>Melt Flow Rate Test Method</b>	ASTM D1238

# CX3499999 | 150T135 EMPTY DUCT COEX

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**Melt Flow Rate, maximum** 0.39 g/10 min

## Mechanical Specifications

**Minimum Bend Radius, unsupported** 508 mm | 20 in

**Tensile Property Test Method** ASTM D638

**Tensile Strength at yield, minimum** 20.684 N/mm<sup>2</sup> | 3000 psi

**Pulling Tension, maximum** 659.977 kg | 1455 lb

## Environmental Specifications

**Environmental Stress Crack Resistance** Failure rate of 10% within 96 hours

**Environmental Stress Test Method** ASTM D1693, ESCR Condition B

## Packaging and Weights

**Weight, net** 511.928 kg/km | 344 lb/kft

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

**Environmental Stress Crack Resistance** ESCR—Environmental Stress Crack Resistance