



ConQuest® Empty Conduit, 1 1/4 in, SDR 13.5, terracotta, with pull tape

- \*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>Product Type</b>	Empty conduit
<b>Product Brand</b>	ConQuest®
<b>Government Requirements</b>	Build America Buy America (BABA) compliant*

## 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>Location of Manufacturing</b>	Catawba, North Carolina
<b>Wall Type</b>	Smooth

## Dimensions

<b>Length</b>	914.4 m   3000 ft
<b>Inner Diameter, nominal</b>	35.408 mm   1.394 in
<b>Outer Diameter, nominal</b>	42.164 mm   1.66 in
<b>Wall Thickness Designation</b>	SDR 13.5
<b>Wall Thickness, minimum</b>	3.124 mm   0.123 in
<b>Nominal Size</b>	1-1/4 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

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<b>Hydrostatic Design Basis</b>	Not pressure rated
<b>Hydrostatic Design Test Method</b>	ASTM D2837
<b>Material Type</b>	High density polyethylene (HDPE)   Polyester
<b>Melt Flow Rate Test Method</b>	ASTM D1238
<b>Melt Flow Rate, maximum</b>	0.39 g/10 min

## Mechanical Specifications

<b>Minimum Bend Radius, unsupported</b>	457.2 mm   18 in
<b>Tensile Property Test Method</b>	ASTM D638
<b>Tensile Strength at yield, minimum</b>	20.684 N/mm <sup>2</sup>   3000 psi
<b>Breaking Strength</b>	566.99 kg   1250 lb
<b>Pull Line Type</b>	Tape
<b>Pulling Tension, maximum</b>	571.526 kg   1260 lb

## Environmental Specifications

<b>Environmental Stress Crack Resistance</b>	Failure rate of 10% within 96 hours
<b>Environmental Stress Test Method</b>	ASTM D1693, ESCR Condition B

## Packaging and Weights

<b>Weight, net</b>	394.363 kg/km   265 lb/kft
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## Regulatory Compliance/Certifications

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

## \* Footnotes

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