

ConQuest® Empty Conduit, 1/2 in, SDR 13.5, gray, with pull rope



## Product Classification

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

## General Specifications

<b>Color</b>	Gray
<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>	304.8 m   1000 ft
<b>Inner Diameter, nominal</b>	17.678 mm   0.696 in
<b>Outer Diameter, nominal</b>	21.336 mm   0.84 in
<b>Wall Thickness Designation</b>	SDR 13.5
<b>Wall Thickness, minimum</b>	1.575 mm   0.062 in
<b>Nominal Size</b>	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

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<b>Hydrostatic Design Test Method</b>	ASTM D2837
<b>Material Type</b>	High density polyethylene (HDPE)   Polypropylene
<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>	254 mm   10 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>	90.718 kg   200 lb
<b>Pull Line Type</b>	Rope
<b>Pulling Tension, maximum</b>	145.15 kg   320 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>	105.66 kg/km   71 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