

ConQuest® Empty Conduit, 1 1/4 in, SDR 13.5, ribbed, orange, 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

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|------------------------------|---|
| Regional Availability | North America |
| Product Type | Empty conduit |
| Product Brand | ConQuest® |
| Government Funding | Build America Buy America (BABA) compliant* |

General Specifications

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|----------------------------|--|
| Color | Orange |
| Conduit Type | Non-toneable |
| Density Test Method | ASTM D792A |
| Density, maximum | 0.955 g/cm ³ 0.035 lb/in ³ |
| Density, minimum | 0.941 g/cm ³ 0.034 lb/in ³ |
| Design Standard | ASTM D3350-05 |
| Wall Type | Ribbed |

Dimensions

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

Material Specifications

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| Flexural Modulus, minimum | 551.581 N/mm ² 80000 psi |
|----------------------------------|---------------------------------------|

CX3399693 | 1250135 RIB WP1250TAPE COEX

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|---------------------------------------|--|
| Flexural Property Test Method | ASTM D790 |
| Hydrostatic Design Basis | Not pressure rated |
| Hydrostatic Design Test Method | ASTM D2837 |
| Material Type | High density polyethylene (HDPE) Polyester |
| Melt Flow Rate Test Method | ASTM D1238 |
| Melt Flow Rate, maximum | 0.39 g/10 min |

Mechanical Specifications

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

Environmental Specifications

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|--|-------------------------------------|
| Environmental Stress Crack Resistance | Failure rate of 10% within 96 hours |
| Environmental Stress Test Method | ASTM D1693, ESCR Condition B |

Packaging and Weights

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|--------------------|----------------------------|
| Weight, net | 394.363 kg/km 265 lb/kft |
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Regulatory Compliance/Certifications

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



* Footnotes

Environmental Stress Crack Resistance ESCR—Environmental Stress Crack Resistance