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ConQuest® Empty Conduit, 16 mm, SDR 11, terracotta

- *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

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

General Specifications

Color	Terracotta
Conduit Type	Non-toneable
Density Test Method	ASTM D792A
Density, maximum	0.955 g/cm³ | 0.035 lb/in³
Density, minimum	0.941 g/cm³ | 0.034 lb/in³
Design Standard	ASTM D3350-05
Wall Type	Smooth

Dimensions

Length	1,828.8 m | 6000 ft
Inner Diameter, nominal	12.725 mm | 0.501 in
Outer Diameter, nominal	15.875 mm | 0.625 in
Wall Thickness Designation	SDR 11
Wall Thickness, minimum	1.397 mm | 0.055 in
Nominal Size	16 mm

Material Specifications

Flexural Modulus, minimum	551.581 N/mm² | 80000 psi
Flexural Property Test Method	ASTM D790

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

Mechanical Specifications

Minimum Bend Radius, unsupported	203.2 mm | 8 in
Tensile Property Test Method	ASTM D638
Tensile Strength at yield, minimum	20.684 N/mm² | 3000 psi
Pulling Tension, maximum	95.254 kg | 210 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	68.456 kg/km | 46 lb/kft

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 Resistence