

ConQuest® Cable in Conduit, 1/2 in, SDR 11, terracotta (F677TSEF)



- *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	Coaxial cable-in-conduit
Product Brand	ConQuest®
Product Series	6 Series
Government Funding	Build America Buy America (BABA) compliant*

General Specifications

Cable Type	Series 6
Cable-In-Conduit Type	Drop in duct
Color	Terracotta
Conduit Type	Non-toneable
Wall Type	Smooth

Dimensions

Length	304.8 m 1000 ft
Wall Thickness Designation	SDR 11
Nominal Size	1/2 in

Packaging and Weights

Weight, net	165.186 kg/km 111 lb/kft
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Included Products

3099999 - ConQuest® Empty Conduit, 1/2 in, SDR 11, terracotta
050T110 EMPTY DUCT

3099999 | 050T110 EMPTY DUCT



ConQuest® Empty Conduit, 1/2 in, SDR 11, terracotta

Product Classification

Product Type	Empty conduit
Product Brand	ConQuest®

General Specifications

Color	Terracotta
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	Smooth

Dimensions

Length	304.8 m 1000 ft
Inner Diameter, nominal	16.967 mm 0.668 in
Outer Diameter, nominal	21.336 mm 0.84 in
Wall Thickness Designation	SDR 11
Wall Thickness, minimum	1.93 mm 0.076 in
Nominal Size	1/2 in

Material Specifications

Flexural Modulus, minimum	551.581 N/mm ² 80000 psi
Flexural Property Test Method	ASTM D790
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

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Melt Flow Rate, maximum 0.39 g/10 min

Mechanical Specifications

Minimum Bend Radius, unsupported 254 mm | 10 in

Tensile Property Test Method ASTM D638

Tensile Strength at yield, minimum 20.684 N/mm² | 3000 psi

Pulling Tension, maximum 176.901 kg | 390 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 126.494 kg/km | 85 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