

Broadband Solutions

3099925 | 0500135 EMPTY DUCT

ConQuest® Empty Conduit, 1/2 in, SDR 13.5, orange

Dimensions

Nominal Size	1/2 in
Wall Thickness Designation	SDR 13.5
Inner Diameter, nominal	17.678 mm 0.696 in
Length	304.80 m 1000.00 ft
Outer Diameter, nominal	21.336 mm 0.840 in
Wall Thickness, minimum	1.575 mm 0.062 in
Weight	71.0 lb/kft

General Specifications

Color	Orange
Conduit Type	Non-toneable
Wall Type	Smooth
Brand	ConQuest®
Warranty	One year

Material Specifications

Density Test Method	ASTM D792A
Density, maximum	0.955 g/cm ³
Density, minimum	0.941 g/cm ³
Design Standard	ASTM D3350-05
Environmental Stress Crack Resistance	Failure rate of 10% within 96 hours
Environmental Stress Test Method	ASTM D1693, ESCR Condition B
Flexural Modulus, minimum	552 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
Melt Flow Rate, maximum	0.39 g/10 min
Tensile Property Test Method	ASTM D638
Tensile Strength at yield, minimum	21 N/mm ² 3000 psi

Mechanical Specifications

Minimum Bend Radius, unsupported	254.0 mm 10.0 in
----------------------------------	--------------------

3099925 | 0500135 EMPTY DUCT

Pulling Tension, maximum 145.1 kg | 320.0 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Environmental Stress Crack Resistance ESCR—Environmental Stress Crack Resistance