

Broadband Solutions

CX3299709 | 1000135 EMPTY DUCT 5K' COEX

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

Dimensions

Nominal Size	1 in
Wall Thickness Designation	SDR 13.5
Inner Diameter, nominal	27.965 mm 1.101 in
Length	1524.00 m 5000.00 ft
Outer Diameter, nominal	33.401 mm 1.315 in
Wall Thickness, minimum	2.464 mm 0.097 in
Weight	169.0 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	355.6 mm 14.0 in
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Pulling Tension, maximum 358.3 kg | 790.0 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