Product Specifications

COMMSCOPE®

Broadband Solutions

3799128 | 2000(TD)110 EMPTY DUCT

Toneable ConQuest® Empty Conduit, 2 in, SDR 11, orange

Dimensions

Nominal Size	2 in
Wall Thickness Designation	SDR 11
Inner Diameter, nominal	48.692 mm | 1.917 in
Length	762.00 m | 2500.00 ft
Outer Diameter, nominal	60.325 mm | 2.375 in
Wall Thickness, minimum	5.486 mm | 0.216 in
Weight	640.0 lb/kft

General Specifications

Color	Orange
Conduit Type	Toneable
Wall Type	Smooth
Brand	ConQuest®
Warranty	One year

Material Specifications

Density Test Method	ASTM D792A
Density, maximum	0.955 g/cm³
Density, minimum	0.941 g/cm³
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/mm² | 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/mm² | 3000 psi

Mechanical Specifications

Minimum Bend Radius, unsupported	660.4 mm | 26.0 in

Pulling Tension, maximum	1408.4 kg | 3105.0 lb
Pulling Tension Note	Applies to products manufactured after December 31, 2012

Tone Wire Specifications

Conductor Diameter	1.0236 mm | 0.0403 in
Conductor Elongation, maximum	1 %
Conductor Gauge	18 AWG
Conductor Resistance	26.7 ohms/kft
Conductor Tensile Strength, minimum	827 N/mm² | 120000 psi
Conductor Type	Solid
Insulation Dielectric Strength	3200 V/mil
Insulation Elongation, minimum	250 %
Insulation Material Type	Fluoropolymer coated copper-clad steel wire
Insulation Tensile Strength, minimum	21 N/mm² | 3000 psi
Insulation Thickness, nominal	0.203 mm | 0.008 in

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 Resistence