Toneable ConQuest® Empty Conduit, 1 1/2 in, SDR 13.5, terracotta, with pull tape

**Product Classification**

**Product Type**
- Empty conduit

**Product Brand**
- ConQuest®

**General Specifications**

**Color**
- Terracotta

**Conductor Elongation, maximum**
- 30 %

**Conductor Type**
- Solid

**Conduit Type**
- 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**
- 914.4 m | 3000 ft

**Conductor Diameter**
- 1.024 mm | 0.04 in

**Inner Diameter, nominal**
- 40.589 mm | 1.598 in

**Outer Diameter, nominal**
- 48.26 mm | 1.9 in

**Wall Thickness Designation**
- SDR 13.5

**Wall Thickness, minimum**
- 3.581 mm | 0.141 in

**Nominal Size**
- 1-1/2 in

**Conductor Gauge**
- 18 AWG

**Electrical Specifications**
Conductor Resistance | 98.425 ohms/km | 30 ohms/kft

Material Specifications

**Conductor Material Type** | Copper-clad steel (CCS)

**Flexural Modulus, minimum** | 551.581 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) | Polyester

**Melt Flow Rate Test Method** | ASTM D1238

**Melt Flow Rate, maximum** | 0.39 g/10 min

Mechanical Specifications

**Minimum Bend Radius, unsupported** | 508 mm | 20 in

**Tensile Property Test Method** | ASTM D638

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

**Breaking Strength** | 566.99 kg | 1250 lb

**Conductor Tensile Strength, minimum** | 344.738 N/mm² | 50000 psi

**Pull Line Type** | Tape

**Pulling Tension Note** | Applies to products manufactured after December 31, 2012

**Pulling Tension, maximum** | 659.977 kg | 1455 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** | 511.928 kg/km | 344 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—e Environmental Stress Crack Resistance