

**Broadband Solutions**

CX3299723 | 100B135 EMPTY DUCT 1K' COEX

**ConQuest® Empty Conduit, 1 in, SDR 13.5, black**

## Dimensions

|                            |                       |
|----------------------------|-----------------------|
| Nominal Size               | 1 in                  |
| Wall Thickness Designation | SDR 13.5              |
| Inner Diameter, nominal    | 27.965 mm   1.101 in  |
| Length                     | 304.80 m   1000.00 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        | Black        |
| 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 <sup>3</sup>             |
| Density, minimum                      | 0.941 g/cm <sup>3</sup>             |
| 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 <sup>2</sup>   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 <sup>2</sup>   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