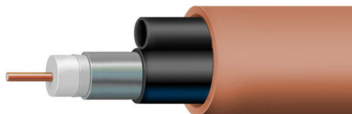


## E20® Coaxial/Microduct Hybrid Buried Cable



- E20 is a solution that enables service providers the ability to bridge HFC networks to FTTx. The E20 composite coaxial/fiber product line combines fiber, microducts, and coaxial cable preinstalled in conduit.
- Serves businesses in a new commercial serving area
- Mitigates future cost of fiber installation
- Pre-installed in high density PE conduit for added physical protection
- One-step installation saves on construction cost
- Ideal for commercial data customers that also require video
- All products tested to industry standards

### Product Classification

Product Type	Coaxial fiber cable-in-conduit
Product Brand	E20®

### General Specifications

Cable Series	P3 625
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### Dimensions

Height	48.26 mm   1.9 in
Width	48.26 mm   1.9 in
Outer Jacket Thickness, nominal	3.835 mm   0.151 in

### Material Specifications

Outer Jacket Material	High density polyethylene (HDPE)
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### Mechanical Specifications

Minimum Bend Radius	508 mm   20 in
Pulling Tension, maximum	659.977 kg   1455 lb

### Environmental Specifications

Environmental Space	Buried
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### Packaging and Weights

Weight, gross	836.348 kg/km   562 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

360000000 12.7MB DUCT EMPTY	-	ConQuest® Empty Conduit, 12.7 mm, black
CX3499999 150T135 EMPTY DUCT COEX	-	ConQuest® Empty Conduit, 1 1/2 in, SDR 13.5, terracotta

ConQuest® Empty Conduit, 12.7 mm, black



Product Classification

Product Type	Empty conduit
Product Brand	ConQuest®

General Specifications

Color	Black
Conduit Type	Non-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

Inner Diameter, nominal	10.008 mm   0.394 in
Outer Diameter, nominal	12.7 mm   0.5 in
Wall Thickness, minimum	1.346 mm   0.053 in
Nominal Size	12.7 mm

Material Specifications

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)
Melt Flow Rate Test Method	ASTM D1238

Melt Flow Rate, maximum0.39 g/10 min

Mechanical Specifications

Minimum Bend Radius, unsupported152.4 mm | 6 in

Tensile Property Test MethodASTM D638

Tensile Strength at yield, minimum20.684 N/mm² | 3000 psi

Pulling Tension, maximum86.183 kg | 190 lb

Environmental Specifications

Environmental Stress Crack ResistanceFailure rate of 10% within 96 hours

Environmental Stress Test MethodASTM D1693, ESCR Condition B

Packaging and Weights

Weight, net46.133 kg/km | 31 lb/kft

Regulatory Compliance/Certifications

AgencyClassification

ISO 9001:2015Designed, manufactured and/or distributed under this quality management system



\* Footnotes

Environmental Stress Crack ResistanceESCR—Environmental Stress Crack Resistance

# CX3499999 | 150T135 EMPTY DUCT COEX

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



## Product Classification

Product Type	Empty conduit
Product Brand	ConQuest®

## General Specifications

Color	Terracotta
Conduit Type	Non-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
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

## Material Specifications

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

# CX3499999 | 150T135 EMPTY DUCT COEX

Material Type	High density polyethylene (HDPE)
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
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
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## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

Environmental Stress Crack Resistance	ESCR—Environmental Stress Crack Resistance
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