770025003 | E20677TSVRXP-2CT 900MTBLSZH-

E20® Coaxial/Fiber Hybrid Indoor 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 under one jacket.
- Serves businesses in a new commercial serving area
- Mitigates future cost of fiber installation
- Saves on initial installation due to "single sheath" vs. multiple sheaths
- Ideal for commercial data customers that also require video
- All products tested to industry standards

Product Classification

Product Type Hybrid cable, coax and fiber

Product BrandE20®Product Series6 SeriesWarrantyOne year

General Specifications

Cable SeriesSeries 6ColorBlackTotal Fiber Count2

Dimensions

 Height
 11.887 mm | 0.468 in

 Outer Jacket Thickness, nominal
 0.508 mm | 0.02 in

Mechanical Specifications

Minimum Bend Radius81.28 mm | 3.2 inPulling Tension, maximum33.112 kg | 73 lb

Environmental Specifications

Environmental Space Riser

Packaging and Weights

Weight, gross 89.29 kg/km | 60 lb/kft

COMMSC PE°

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Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system



Included Products

760150490 Z-002-DS-8W-FSUBK/D

7702003 F677TSVR XP

- TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 2 fiber singleunit
- XPRESSPREP® Coaxial Drop Cable, 75 Ohm, Series 6, black flame retardant PVC jacket

* Footnotes

Warranty

For more information, please consult our Product Warranty guidelines





TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 2 fiber single-unit

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

General Specifications

 Cable Type
 Distribution

Construction Type Non-armored

Fiber Type, quantity

Jacket Color Black

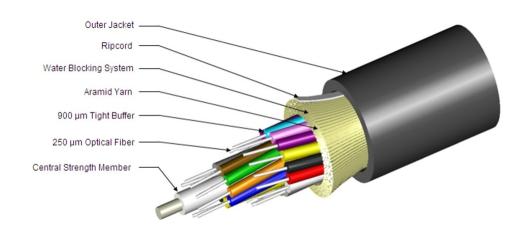
Total Fiber Count

Dimensions

Diameter Over Jacket 3.8 mm | 0.15 in

Representative Image





Mechanical Specifications

Minimum Bend Radius, loaded58 mm2.283 inMinimum Bend Radius, unloaded38 mm1.496 in

Tensile Load, long term, maximum 300 N | 67.443 lbf

Tensile Load, short term, maximum 1000 N | 224.809 lbf

 Compression
 22 N/mm | 125.623 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 100 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

Impact 5.88 N-m | 52.042 in lb

Impact Test Method FOTP-25 | IEC 60794-1 E4

Strain See long and short term tensile loads

Strain Test Method FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

Vertical Rise, maximum 500 m | 1,640.42 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1, TeraSPEED® | G.652.D and G.657.A1,

TeraSPEED®

Environmental Specifications

Installation temperature $-30 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to $+140 \,^{\circ}\text{F}$)

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Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature -40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 (water

penetration) | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire Performance Dca **EN50575 CPR Cable EuroClass Smoke Rating** s1a **EN50575 CPR Cable EuroClass Droplets Rating** d1 **EN50575 CPR Cable EuroClass Acidity Rating** a2

Environmental Space Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing NEC OFNR-LS (ETL) and c(ETL)

Flame Test Method IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 383 | UL

1666 | UL 1685

UV stabilized **Jacket UV Resistance**

Water Penentration 24 h

Water Penentration Test Method FOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method IEC 60794-1 F15

Heat Age -40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

Low High Bend -40 °C to +70 °C (-40 °F to +158 °F)

Low High Bend Test Method FOTP-37 | IEC 60794-1 E11

Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Agency

Cable weight 11.6 kg/km | 7.795 lb/kft

Regulatory Compliance/Certifications

| , | |
|---------|---------------------------------|
| CENELEC | EN 50575 compliant, Declaration |

of Performance (DoP) available

CHINA-ROHS Below maximum concentration value

Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system **REACH-SVHC** Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant

COMMSCOPE®



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable







Product Classification

 Product Type
 Coaxial drop cable

 Product Brand
 XPRESSPREP®

Product Series6 SeriesWarrantyOne year

General Specifications

Cable TypeSeries 6Center Conductor TypeSolidJacket ColorBlackJacket MarkingFeet

Performance Note Attenuation listed represents maximum values at standard condition of 20 °C

(68 °F)

Shield Construction Type Trishield

Dimensions

Diameter Over Center Conductor, nominal1.016 mm | 0.04 inDiameter Over Dielectric, nominal4.572 mm | 0.18 inDiameter Over Inner Shield (Tape), nominal4.75 mm | 0.187 inDiameter Over Jacket, nominal7.061 mm | 0.278 inJacket Thickness, nominal0.762 mm | 0.03 in

Center Conductor Gauge 18 AWG
Inner Shield (Braid) Gauge 34 AWG

Electrical Specifications

Capacitance 53.15 pF/m | 16.2 pF/ft



Characteristic Impedance75 ohmCharacteristic Impedance Tolerance±3 ohm

dc Resistance Note

Nominal values based on a standard condition of 20 °C (68 °F)

dc Resistance, Inner Conductor, nominal100.066 ohms/km | 30.5 ohms/kftdc Resistance, Loop, nominal121.063 ohms/km | 36.9 ohms/kftdc Resistance, Outer Conductor, nominal20.997 ohms/km | 6.4 ohms/kft

Nominal Velocity of Propagation (NVP) 85 %

Operating Frequency Band 5-3000 MHz

Structural Return Loss, Grade A =15 dB @ 1801-3000 MHz | =20 dB @ 5-1800 MHz

Structural Return Loss, Grade C =15 dB @ 1801-3000 MHz | =20 dB @ 1002-1800 MHz | =23 dB @ 5-

1002 MHz

Structural Return Loss, Grade G = 15 dB @ 1801 – 3000 MHz | = 20 dB @ 1002 – 1800 MHz | = 26 dB @ 5 –

1002 MHz

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|
| 5.0 | 1.9 | 0.58 |
| 55.0 | 5.25 | 1.6 |
| 83.0 | 6.4 | 1.95 |
| 85.0 | 6.46 | 1.97 |
| 187.0 | 9.35 | 2.85 |
| 204.0 | 9.84 | 3 |
| 211.0 | 10 | 3.05 |
| 250.0 | 10.82 | 3.3 |
| 300.0 | 11.64 | 3.55 |
| 350.0 | 12.63 | 3.85 |
| 400.0 | 13.61 | 4.15 |
| 450.0 | 14.43 | 4.4 |
| 500.0 | 15.29 | 4.66 |
| 550.0 | 16.08 | 4.9 |
| 600.0 | 16.73 | 5.1 |
| 750.0 | 18.54 | 5.65 |
| 865.0 | 20.01 | 6.1 |
| 1000.0 | 21.49 | 6.55 |
| 1218.0 | 23.66 | 7.21 |
| | | |

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| 1300.0 | 24.71 | 7.53 |
|--------|-------|-------|
| 1400.0 | 25.71 | 7.84 |
| 1500.0 | 26.68 | 8.13 |
| 1600.0 | 27.63 | 8.42 |
| 1700.0 | 28.54 | 8.7 |
| 1794.0 | 29.39 | 8.96 |
| 1800.0 | 29.44 | 8.97 |
| 2000.0 | 31.17 | 9.5 |
| 2200.0 | 32.83 | 10.01 |
| 2500.0 | 35.2 | 10.73 |
| 2800.0 | 37.46 | 11.42 |
| 3000.0 | 38.91 | 11.86 |

Material Specifications

Center Conductor Material Copper-clad steel

Dielectric Material Foam PE

Jacket Material Fire retardant PVC

Inner Shield (Braid) Coverage 77 %

Inner Shield (Braid) Material Aluminum

Inner Shield (Tape) MaterialAluminum/Polymer/Aluminum (APA) bondedOuter Shield (Tape) MaterialAluminum/Polymer/Aluminum (APA) bonded

Environmental Specifications

Environmental Space Riser

Flame Test Listing CATVR | NEC Article 820

Packaging and Weights

Packaging Type Reel

Weight, gross 44.645 kg/km | 30 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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



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