



HomeConnect® 75 Ohm XPRESSPREP® Coaxial Drop Cable, Series 6, black PE jacket, flooded for underground

## Product Classification

<b>Brand</b>	HomeConnect®   XPRESSPREP®
<b>Product Type</b>	Coaxial drop cable
<b>Product Series</b>	6 Series

## Construction Materials

<b>Corrosion Protection</b>	Migraheal®
<b>Jacket Material</b>	PE
<b>Center Conductor Material</b>	Copper-clad steel
<b>Dielectric Material</b>	Foam PE
<b>Inner Shield (Braid) Coverage</b>	77 %
<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded
<b>Outer Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	1.016 mm   0.040 in
<b>Diameter Over Dielectric, nominal</b>	4.572 mm   0.180 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	4.750 mm   0.187 in
<b>Diameter Over Jacket, nominal</b>	7.061 mm   0.278 in
<b>Jacket Thickness, nominal</b>	0.7620 mm   0.0300 in
<b>Shipping Weight</b>	33.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	30.50 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	6.40 ohms/kft
<b>dc Resistance, Loop, nominal</b>	36.90 ohms/kft
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>Capacitance</b>	53.1 pF/m   16.2 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Nominal Velocity of Propagation (NVP)</b>	85 %

## Environmental Specifications

**Environmental Space** Buried

## General Specifications

**Cable Type** Series 6  
**Packaging Type** Reel  
**Shield Construction Type** Trishield  
**Center Conductor Gauge** 18 AWG  
**Center Conductor Type** Solid  
**Jacket Color** Black  
**Jacket Marking** Feet  
**Warranty** One year

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	1.90	0.58
55 MHz	5.25	1.60
83 MHz	6.40	1.95
85 MHz	6.46	1.97
187 MHz	9.35	2.85
204 MHz	9.84	3.00
211 MHz	10.00	3.05
250 MHz	10.82	3.30
300 MHz	11.64	3.55
350 MHz	12.63	3.85
400 MHz	13.61	4.15
450 MHz	14.43	4.40
500 MHz	15.29	4.66
550 MHz	16.08	4.90
600 MHz	16.73	5.10
750 MHz	18.54	5.65
865 MHz	20.01	6.10
1000 MHz	21.49	6.55
1218 MHz	23.66	7.21
1300 MHz	24.71	7.53
1400 MHz	25.71	7.84
1500 MHz	26.68	8.13
1600 MHz	27.63	8.42
1700 MHz	28.54	8.70
1794 MHz	29.39	8.96
1800 MHz	29.44	8.97
2000 MHz	31.17	9.50
2200 MHz	32.83	10.01
2500 MHz	35.20	10.73
2800 MHz	37.46	11.42
3000 MHz	38.91	11.86

\* Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)

## Regulatory Compliance/Certifications

**Agency**

RoHS 2011/65/EU  
ISO 9001:2015

**Classification**

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



## Included Products

E2O677TSEF XP - 6 CT MICFIBR — E<sub>2</sub> O@ Coaxial/Fiber Hybrid Buried Cable



## E<sub>2</sub>O® Coaxial/Fiber Hybrid Buried Cable

- E<sub>2</sub>O is a solution that enables service providers the ability to bridge HFC networks to FTTH. The E<sub>2</sub>O 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

<b>Brand</b>	E <sub>2</sub> O®
<b>Product Type</b>	Coaxial fiber cable-in-conduit
<b>Product Series</b>	6 Series

## Dimensions

<b>Height</b>	14.173 mm   0.558 in
<b>Outer Jacket Thickness, nominal</b>	0.762 mm   0.030 in
<b>Shipping Weight</b>	63.00 lb/kft
<b>Width</b>	8.585 mm   0.338 in

## Environmental Specifications

<b>Environmental Space</b>	Buried
----------------------------	--------

## General Specifications

<b>Cable Series</b>	Series 6
---------------------	----------

## Material Specifications

<b>Total Fiber Count</b>	6
<b>Outer Jacket Material</b>	Medium density polyethylene (MDPE)
<b>Ripcord Material</b>	Polyester

## Mechanical Specifications

<b>Minimum Bend Radius</b>	81.28 mm   3.20 in
<b>Pulling Tension, maximum</b>	33 kg   73 lb

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

