



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

Product Classification

Brand	HomeConnect® XPRESSPREP®
Product Type	Coaxial drop cable
Product Series	6 Series

Construction Materials

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

Dimensions

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

Electrical Specifications

dc Resistance, Inner Conductor, nominal	30.50 ohms/kft
dc Resistance, Outer Conductor, nominal	6.40 ohms/kft
dc Resistance, Loop, nominal	36.90 ohms/kft
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
Capacitance	53.1 pF/m 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Nominal Velocity of Propagation (NVP)	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 — E₂ O@ Coaxial/Fiber Hybrid Buried Cable



E₂O® Coaxial/Fiber Hybrid Buried Cable

- E₂O is a solution that enables service providers the ability to bridge HFC networks to FTTH. The E₂O 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

Brand	E ₂ O®
Product Type	Coaxial fiber cable-in-conduit
Product Series	6 Series

Dimensions

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

Environmental Specifications

Environmental Space	Buried
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General Specifications

Cable Series	Series 6
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Material Specifications

Total Fiber Count	6
Outer Jacket Material	Medium density polyethylene (MDPE)
Ripcord Material	Polyester

Mechanical Specifications

Minimum Bend Radius	81.28 mm 3.20 in
Pulling Tension, maximum	33 kg 73 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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

