



## Broadband Solutions

F1177TSE APD

75 Ohm Coaxial Drop Cable, Series 11, black PE jacket, flooded for underground

## Construction Materials

Corrosion Protection	APD Amorphous Polypropylene ®
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
Jacket Material	PE
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

## Dimensions

Diameter Over Center Conductor, nominal	1.626 mm		0.064 in
Diameter Over Dielectric, nominal	7.112 mm		0.280 in
Diameter Over Inner Shield (Tape), nominal	7.290 mm		0.287 in
Diameter Over Jacket, nominal	10.160 mm		0.400 in
Jacket Thickness, nominal	0.9906 mm		0.0390 in
Shipping Weight	52.00 lb/kft		

## Electrical Specifications

dc Resistance, Inner Conductor, nominal	12.50 ohms/kft
dc Resistance, Outer Conductor, nominal	4.00 ohms/kft
dc Resistance, Loop, nominal	16.50 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
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## General Specifications

Cable Type	Series 11
Packaging Type	305 meter wooden reel
Shield Construction Type	Trishield
Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meter
Warranty	One year

## Electrical Performance

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Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	1.25	0.38
55 MHz	3.15	0.96
83 MHz	3.87	1.18
187 MHz	5.74	1.75
211 MHz	6.23	1.90
250 MHz	6.72	2.05
300 MHz	7.38	2.25
350 MHz	7.94	2.42
400 MHz	8.53	2.60
450 MHz	9.02	2.75
500 MHz	9.51	2.90
550 MHz	9.97	3.04
600 MHz	10.43	3.18
750 MHz	11.97	3.65
865 MHz	13.05	3.98
1000 MHz	14.27	4.35

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

## Regulatory Compliance/Certifications

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Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system