

## F11DS APD HDC 75 Ohm Coaxial Cable

1100 CommScope Place  
Hickory, NC 28603  
(800) 982-1708  
(828) 324-2200  
Fax: (828) 324-3400  
Int'l Fax: (828) 323-4989  
[www.commscope.com](http://www.commscope.com)  
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### PRODUCT DESCRIPTION:

BONDED FOIL, ALUMINUM BRAID, PVC JACKET

#### CENTER CONDUCTOR:

14 AWG COPPER HARD DRAWN COPPER  
NOMINAL DIAMETER: 0.064" (1.63 mm)

#### DIELECTRIC:

GAS EXPANDED POLYETHYLENE  
NOMINAL DIAMETER OVER DIELECTRIC: 0.280" (7.11 mm)

#### SHIELD:

1<sup>ST</sup> SHIELD: BONDED ALUMINUM-LAMINATED TAPE  
NOMINAL DIAMETER OVER TAPE: 0.287" (7.29 mm)  
2<sup>ND</sup> SHIELD: 34 AWG ALUMINUM BRAID WIRE  
60% COVERAGE

#### JACKET:

PVC  
NOMINAL DIAMETER OVER JACKET: 0.395" (10.03 mm)  
NOMINAL JACKET THICKNESS: 0.042" (1.07 mm)

#### CORROSION RESISTANT TREATMENT:

AMORPHOUS POLYPROPYLENE FLOODING COMPOUND

### ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 3.0 Ohms  
VELOCITY OF PROPAGATION: 85.0% NOMINAL  
STRUCTURAL RETURN LOSS: 5 MHz to 1000 MHz ≥ 20 dB  
NOMINAL DC RESISTANCE (Ohms/km): Center Conductor: 9 Outer Conductor: 24

Shipping Weight (Lbs.)/1000': 66 lbs. / 98 kg/km

### ATTENUATION: @ 68°F (20°C)

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

