

# F6DS 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)  
CommScope Properties, LLC  
All Rights Reserved



## PRODUCT DESCRIPTION:

**BONDED ALUMINUM LAMINATED TAPE, ALUMINUM BRAID, APD FLOODANT, PVC JACKET**

### CENTER CONDUCTOR:

18 AWG HARD DRAWN COPPER  
NOMINAL DIAMETER: 0.0403" (1.02 mm)

### DIELECTRIC:

GAS EXPANDED POLYETHYLENE  
NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)

### SHIELD:

**1<sup>ST</sup> SHIELD:** LAMINATED ALUMINUM TAPE  
BONDED TO THE DIELECTRIC – 100% COVERAGE  
NOMINAL DIAMETER OVER TAPE: 0.186" (4.72 mm)  
**2<sup>ND</sup> SHIELD:** ALUMINUM BRAID WIRE > 55% COVERAGE

### JACKET:

PVC  
NOMINAL DIAMETER OVER JACKET: 0.272" (6.91 mm)  
NOMINAL JACKET THICKNESS: 0.030" (0.76 mm)



Cable Weight (Lbs.)/1000': 27 lbs. / 40 kg/km

## ELECTRICAL PROPERTIES:

**IMPEDANCE:** 75.0 +/- 3.0 Ohms  
**VELOCITY OF PROPAGATION:** 85.0% NOMINAL  
**SHIELDING EFFECTIVENESS** >80 dB 5 MHz to 1000 MHz  
**STRUCTURAL RETURN LOSS:** 5 MHz to 1000 MHz ≥ 20 dB  
**NOMINAL DC RESISTANCE - Ohms/kft (km Center Conductor: 6.7 (22) Outer Conductor: 10 (33) Loop: 17 (55)**  
**ATTENUATION: @ 68°F (20°C)**

Frequency	dB/100 feet Nominal	dB/100 meters Nominal
5 MHz	.55	1.8
55 MHz	1.4	4.7
187 MHz	2.6	8.6
350 MHz	3.6	11.8
450 MHz	4.1	13.5
550 MHz	4.6	14.9
650 MHz	5.0	16.3
750 MHz	5.4	17.6
865 MHz	5.8	19.0
900 MHz	5.9	19.4
950 MHz	6.1	19.9
1000 MHz	6.2	20.5



*Drawing not to scale  
Specification subject to change  
Revision: 12/03/10*



*Drawing not to scale  
Specification subject to change  
Revision: 04/25/10*