



# Digital Satellite Cable

## DS-6 Series 75 Ohm Bonded Cable

### *Maximize the Performance of Satellite Systems... Use Superior CommScope Cable Technology.*

Today's satellite systems are designed to offer the highest quality entertainment experience. These high performance systems require a high performance cable to enjoy the full spectrum of audio and video performance that your satellite system had to offer. CommScope's F-6 Series bonded satellite cables are the best transmission medium to preserve the quality and integrity of today's demanding audio and video technology.

#### **Features**

- F-6 Series cable is designed to provide un-matched performance in Satellite applications
- Reap the benefits of over 30 years of US Technology
- Bonded Foil Design (A MUST!) provides quick, easy and reliable connector termination for all types of connectors
- Heavy gauge center conductor and gas injected polyethylene dielectric, yields a low-loss precision cable that assures high quality signal transmission
- Durable PVC (Polyvinyl chloride) outer jacket material remains flexible and strong even in harsh environments

# F-6 Bonded Digital Satellite Cable Specifications

## Physical Dimensions

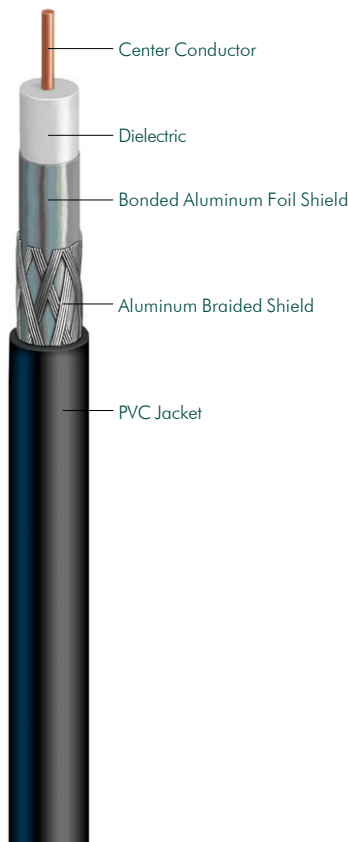
### Component

Nominal Center Conductor Diameter .....	1.02 mm
Nominal Diameter Over Dielectric .....	4.57 mm
Nominal Diameter Over First Shield (Tape) .....	4.75 mm
Nominal Diameter Over Jacket .....	6.91 mm
Nominal Jacket Wall Thickness .....	0.76 mm

## Electrical Characteristics

Nominal Impedance .....	75 Ohms
Nominal Velocity of Propagation .....	85%
Minimum SRL	
5 MHz - 1000 MHz .....	20 dB
1000 MHz - 2200 MHz .....	16 dB

Specifications subject to change without notice.



## Attenuation [@ 20° C.]

Frequency (MHz)	Maximum (dB/100 m)
5 .....	1.90
55 .....	5.25
83 .....	6.40
87 .....	9.35
211 .....	10.00
250 .....	10.82
300 .....	11.64
350 .....	12.63
400 .....	13.61
450 .....	14.43
500 .....	15.09
550 .....	16.08
600 .....	16.73
750 .....	18.54
865 .....	20.01
1000 .....	21.49
1450 .....	25.59
1800 .....	28.54
2200 .....	31.50

## Lengths Available

100 meter coils  
305 meter reels

F1160 BV (RG11) also available in 305 meter reels



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