

Sold by:



1100 CommScope Place SE  
 PO Box 1729  
 Hickory, NC 28603-1729  
 (800) 982-1708  
 (828) 324-2200  
 (828) 328-3400  
 www.commscope.com

Fax:  
 Int'l Fax:



# RG-6 3 GHz 75 Ohm Coaxial Cable Catalog # 5771 NEC/CEC: CM(UL)C(UL) CMH

## CABLE CONSTRUCTION:

**CENTER CONDUCTOR:**  
 18 AWG Bare Copper  
 Nom. Dia: 0.0403"

**DIELECTRIC:**  
 Foam Polyethylene  
 Dia. over Dielectric: 0.180" Nom.

**SHIELD:**  
 Foil: Aluminum/Poly/Aluminum Tape  
 Braid: 34 AWG Aluminum  
 60% Coverage Nom.  
 Nom. Dia. 0.212"

**JACKET:**  
 FR-PVC  
 Dia. over Jacket: 0.272" +/- 0.008"  
 Nominal Jacket Thickness: 0.030"  
 Minimum Spot: 0.024"



## ELECTRICAL PROPERTIES:

**SPARKER TEST:** 4000 VAC

**DIELECTRIC STRENGTH:** Conductor to Shield: 2500 VDC

**CAPACITANCE:** 16.0 pF./FT. Nom.

**IMPEDANCE:** 75.0 +/- 3.0 Ohms

**VELOCITY OF PROPAGATION:** 84.0% Nom.

**DCR:** Conductor: 6.5 Ohms/1000 Ft. Nom.  
 Shield: 9.7 Ohms/1000 Ft. Nom.

**SRL:** 20 dB (5 thru 1000 MHz) 100% Swept Tested  
 15 dB (1000 thru 3000 MHz) 100% Swept Tested

## MECHANICAL PROPERTIES:

**MINIMUM BEND RADIUS:**  
 Loaded: 20 Times Cable OD  
 Unloaded: 10 Times Cable OD

**CABLE TEMP. RATING:**  
 Temp: 60°C

## ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.25 dB	1 MHz
0.66 dB	10 MHz
1.41 dB	50 MHz
1.92 dB	100 MHz
2.64 dB	200 MHz
3.73 dB	400 MHz
5.05 dB	700 MHz
5.79 dB	900 MHz
6.11 dB	1000 MHz
6.73 dB	1200 MHz
7.49 dB	1450 MHz
8.43 dB	1800 MHz
9.35 dB	2200 MHz
9.46 dB	2250 MHz
10.92 dB	3000 MHz



Drawings not to Scale  
 Specifications subject to change  
 Revised: 08/22/08