

## QUAD-SHIELD RG59 HEADEND CABLE

Quad-shield, RG59 headend cable is used in headend applications which require longer runs or higher bandwidth. It's also available in an 8-pack version, and is equivalent to CommScope HEC-2 cable.

Part Number	Description	Nominal O.D. (in)	Nominal Wt. (lb/1000')
V100177	RG59 Quad Shield, Single HEC2	0.270	35
YR51180	RG59 Quad Shield, 8-pack HEC2	0.997	364

### V100177 – HEADEND CABLE, SINGLE AND YR251180 – HEADEND CABLE, 8-PACK

Quad-shield, RG59 headend cable manufactured by Belden that is equivalent to CommScope HEC-2 cable. It is also available in an 8-pack.

**Electrical Characteristics:**

Impedance: 75 +/- 3 Ohms  
 Nom. Inductance: .097 Micro-H/ft  
 Nom. Capacitance Conductor to Shield: 16.2 pF/ft  
 Nom. Velocity of Propagation: 83%  
 Nom. Delay: 1.2 ns/ft  
 Structural Return Loss: 5-1000 MHz, 20 dB Min.  
 Max. Operating Voltage: 300 V RMS  
 Nom. Conductor DC Resistance @ 20°C: 25.8 Ohms/1000'  
 Nom. Shield DC Resistance @ 20°C: 6.6 Ohms/1000'  
 Attenuation:



MHz	5	55	211	270	300	350	400	450	550	750	870	1000
dB/100ft	0.89	1.95	3.59	4.05	4.27	4.64	4.88	5.30	5.90	6.96	7.54	8.09

**Physical Characteristics:**

Temperature Rating: -40 To +80°C  
 Min. Bending Radius: 2.5" (single)  
   10" (8-pack)  
 Max. Pulling Tension: 140 Lbs  
 Conductor Material & Dia: 20 AWG Solid Silver Plated Copper Covered Steel, .032"  
 Dielectric Material & Dia: Gas Injected Foam Polyethylene, .144"  
 Shield Type: 1st Layer - Bonded Duofoil  
                   2nd Layer - 95% Alum Braid  
                   3rd Layer - Duofoil Tape  
                   4th Layer - 95% Alum Braid  
 U.L./NEC & CEC Rating: CATV or CM; UL-1581 Vertical Tray Flame Test  
 Available in 11 colors

CABLE MANUFACTURED EXCLUSIVELY FOR WHITE SANDS ENGINEERING BY **BELDEN**  
SENDING ALL THE RIGHT SIGNALS