



WSE

White Sands Engineering

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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

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 (Single): 2.5"
- Min. Bending Radius (8-Pack): 10"
- 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

HEADEND CONNECTIVITY
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