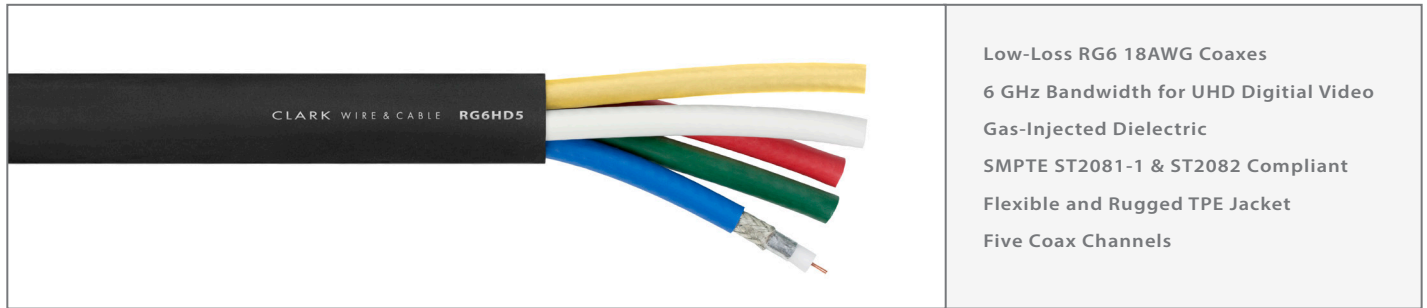


RG6HD5

75Ω RG6 UHD 6GHz Coax Snake Cables

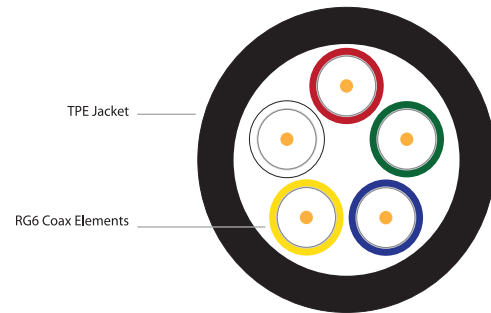


Low-Loss RG6 18AWG Coaxes
 6 GHz Bandwidth for UHD Digital Video
 Gas-Injected Dielectric
 SMPTE ST2081-1 & ST2082 Compliant
 Flexible and Rugged TPE Jacket
 Five Coax Channels

Part Number: **RG6HD5**
 Description: **75Ω RG6 UHD 6GHz Coax Snake Cables**

Materials & Dimensions

Conductors	(1) 18AWG Solid BC .040" O.D. (per coax element)
Insulation	Gas-Injected Foam PE .180" O.D.
Shield	100% Aluminum Foil 95% TC Braid
Coax Jacket	Low Pressure, Easy Strip PVC, .272" O.D.
Coax Elements	5
Coax Color Code	Red, Blue, Green, Yellow, White
Overall Jacket	Black TPE, .880" O.D.



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Bend Radius	Operating Temperature	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz) >15dB (4.5GHz - 6GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	8.8" min.	-30°C to 75°C	385 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz	6 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3	17.6
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6	57.7

Data Rate	270 Mb/s SMPTE 259	360 Mb/s SMPTE 259	1.5 Gb/s SMPTE 292	3 Gb/s SMPTE 424	6 Gb/s SMPTE ST1081-1	Dual-Link 6 Gb/s SMPTE ST2081-1	Quad-Link 12 Gb/s SMPTE ST2082
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'	340'	509'	509'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE standards. Individual system testing is recommended to determine actual maximum transmission distances.

The RG6HD5 coax snake cable features precision 6GHz RG6 coaxes for digital video formats up to 4K or Dual-Link 8K UHD digital video applications. Each coax element meets or exceeds SMPTE ST2081-1 and ST2082 standards for ultra high-definition digital video formats. Also built for easy termination, the RG6HD5 has easy-to-strip coax jackets and dielectrics that streamline connector termination. The outer jacket is extruded from a flexible, rugged and abrasion resistant TPE compound that is ideal for portable and staging applications.