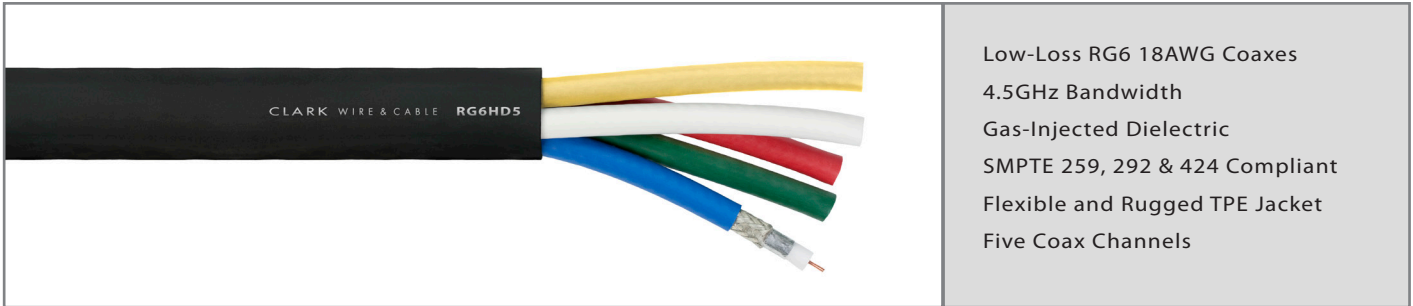


PRODUCT BULLETIN

#25401

RG6HD5 RG6 Five Channel HD/SDI 75Ω Coax Snake Cable



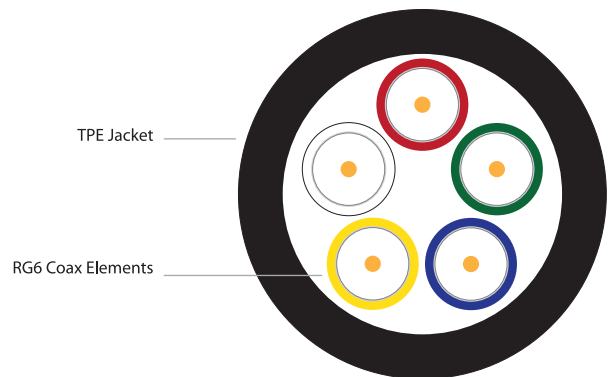
Low-Loss RG6 18AWG Coaxes
 4.5GHz Bandwidth
 Gas-Injected Dielectric
 SMPTE 259, 292 & 424 Compliant
 Flexible and Rugged TPE Jacket
 Five Coax Channels

Part Number Overview

Part Number: **RG6HD5**
 Description: RG6 Five Channel HD/SDI 75Ω 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)	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
Attenuation dB/100 feet	0.22	0.43	0.70	16.0	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
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

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'

Actual distances may vary with each system. Typical lengths listed only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The RG6HD5 coax snake cable features precision 4.5GHz RG6 coaxes for HD/SDI, standard SDI or high resolution video applications. Each coax element meets or exceeds SMPTE 259M, 292M and 424M standards for 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.