



819

RG59/U HD-SDI Non-Plenum
 HD-SDI Digital Video

Construction & Dimensions

CONSTRUCTION & DIMENSIONS	-
CONDUCTOR PARAMETER	-
• Number of Conductors	1
• AWG Size	20
• Conductor Stranding	Solid
• Conductor Type	Bare Copper
• Nominal DCR	10.1 Ohm/1000ft
INSULATION PARAMETER	-
• Insulation Type	Foam Polyethylene
• Insulation Thi kness	0.142 in
SHIELDING PARAMETER	-
• Shield Type	Overall 100% Aluminum Foil
• Shield Type 2	95% Tinned Copper Braid
ELECTRICAL CHARACTERISTICS	-
• Nominal Impedance	75 Ohm
• Nom. Cap. Between Conductors	16.2 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS	-
Jacket Type	PVC
Jacket Thi kness	0.033 in
Nominal Cable O.D.	0.232 in
Plenum	No
NEC UL Rating	CMR
RoHS Compliant	Yes
Pull Tension	50 lbs
Bend Radius	2.32 in
Cable Weight	33 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
Nominal Velocity of Propagation (VP)	82 %
UL Flammability	UL1666 Vertical Shaft
UL Voltage Rating	300



819

RG59/U HD-SDI Non-Plenum
HD-SDI Digital Video

Attenuation

FREQUENCY (MHz)	ATTENUATION (db/100ft)
1 MHz	0.28 dB
3.6 MHz	0.44 dB
10 MHz	0.66 dB
71.5 MHz	1.93 dB
135 MHz	2.62 dB
270 MHz	3.79 dB
360 MHz	4.3 dB
540 MHz	5.31 dB
720 MHz	6.23 dB
1000 MHz	7.49 dB
2250 MHz	11.19 dB
3000 MHz	13.23 dB
4500 MHz	16.4 dB

Related Products

RELATED PRODUCTS	-
Plenum Number	25819
Aquaseal Number	AQC819
BNC Crimp	CN-BM74-32
BNC Compression	CN-DB59BNCHD
RCA Compression	CN-CSRCA-59