

Technical Data Sheet
RG59/U Type SDI Coaxial Cable
Indoor/Outdoor

WEST PENN WIRE

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PART NUMBER:	AQC819
DESCRIPTION:	RG59/U – 1 Conductor 20AWG Solid, 100% Aluminum Foil + 95% Tinned copper braid , Water Blocking Tape and an overall Sunlight Resistant PVC Jacket.
NEC RATING:	CM
APPROVALS:	(UL) C(UL) Listed or c(ETL)us Listed
APPLICATION:	Indoor/Outdoor for: Pro-Video, SDI, Digital Audio, CCTV and CATV

Construction Parameters:

Conductor	20 AWG Bare Copper
Stranding	Solid
Insulation Material	Gas Injected Polyethylene
Insulation Thickness	.142" Nom.
Number of Conductors	1 Center Conductor
Shield	100% Al. Foil + 95% Tinned Copper Braid
Water Blocking Tape	Double Ply Tape
Jacket Material	Sunlight Resistant PVC
Overall Cable Diameter	0.242" Nom.
Approximate Cable Weight	22 Lbs/1M' Nom.
Flame Rating	UL 1685

Electrical & Environmental Properties:

		<u>Mhz</u>	<u>db/100ft</u>
Temperature Rating	-20deg C to 60deg C	1	.28
Max. Capacitance Between Conductors @ 1 KHz	16.2 pf/ft Nom.	10	.66
Velocity of Propagation	82% Nom.	71.5	1.93
Impedance	75 ohms Nom.	135	2.62
DC Resistance per Conductor @ 20deg C	10.1 Ohms/1M' Nom.	360	4.30
Jacket Color	Black	720	6.23
RoHS Compliant	Yes	1000	7.49
		2250	11.19
		3000	13.23
		4500	16.40

Mechanical Properties:

Max. Recommended Pull Tension	41 lbs.
Min. Bend Radius (Install)	2.5"

Connectors and Accessories

75 ohm BNC Crimp	CN-BM74-32	Crimp Tool: TL-104	Strip Tool: TL-121
1 Pc. Compression BNC 75 ohm	CN-BNCP-59 or CN-CSBNC-59	Comp. Tool: TL-SNSA	Strip Tool: TL-CSST
Compression RCA	CN-RCAP-59 or CN-CSRCA-59	Comp. Tool: TL-SNSA	Strip Tool: TL-CSST

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Standard Lengths are 1000ft.
The Jacket is sequentially footmarked.
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