

Technical Data Sheet

RG59/U Type SDI Coaxial Cable

WEST PENN WIRE

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PART NUMBER:	25819
DESCRIPTION:	RG59/U – 1 Conductor 20AWG Solid, 100% Aluminum Foil + 95% Tinned copper braid and an overall Flex Plenum Jacket.
NEC RATING:	CMP
APPROVALS:	(UL) C(UL) Listed or c(ETL)us Listed
APPLICATION:	Indoor for: Pro-Video, SDI, Digital Audio, CCTV and CATV

Construction Parameters:

Conductor	20 AWG Bare Copper
Stranding	Solid
Insulation Material	Foam FEP – Teflon
Insulation Thickness	.138" Nom.
Number of Conductors	1 Center Conductor
Shield	100% Al. Foil + 95% Tinned Copper Braid
Jacket Material	Flex Plenum PVC
Overall Cable Diameter	0.207" Nom.
Approximate Cable Weight	28 Lbs/1M' Nom.
Flame Rating	UL NFPA62

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	1.03
Velocity of Propagation	82% Nom.	71.5	1.93
Impedance	75 ohms Nom.	135	2.83
DC Resistance per Conductor @ 20deg C	10.1 Ohms/1M' Nom.	360	5.24
Jacket Color	Ivory	720	7.29
RoHS Compliant	Yes	1000	9.40
		2250	17.48
		3000	21.60

Mechanical Properties:

Max. Recommended Pull Tension	47 lbs.	SRL: 5-1600Mhz	-23dB
Min. Bend Radius (Install)	2.0"	1.6Ghz-4.5Ghz	-21dB

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-FS59BNCPL4	Comp. Tool: TL-SNSA	Strip Tool: TL-CSST
Compression RCA	CN-FS59RCAPL4	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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