

Technical Data Sheet

RG59/U Type SDI Coaxial Cable

WEST PENN WIRE



2833 West Chestnut Street
 Washington, PA 15301
 Toll Free: (800) 245-4964
 Fax: (724) 222-6420
 www.westpenn-wpw.com

PART NUMBER:	819
DESCRIPTION:	RG59/U – 1 Conductor 20AWG Solid, 100% Aluminum Foil + 95% Tinned copper braid and an overall PVC Jacket.
NEC RATING:	CMR
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	Gas Injected Polyethylene
Insulation Thickness	.142" Nom.
Number of Conductors	1 Center Conductor
Shield	100% Al. Foil + 95% Tinned Copper Braid
Jacket Material	PVC
Overall Cable Diameter	0.232" Nom.
Approximate Cable Weight	29 Lbs/1M' Nom.
Flame Rating	UL 1666

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
	Min. Orders:		
	Red, Green, Blue	1000	7.49
	White, Yellow, Violet,	2250	11.19
	Brown, Orange	3000	13.23
RoHS Compliant	Yes	4500	16.40

Mechanical Properties:

Max. Recommended Pull Tension	47 lbs.
Min. Bend Radius (Install)	2.5"

Connectors and Accessories

75 ohm BNC Crimp	CN-BM74-32	Crimp Tool: TL-104	Strip Tool: TL-7503
1 Pc. Compression BNC 75 ohm	CN-CSBNC-59	Comp. Tool: TL-SNSA	Strip Tool: TL-CSST
Compression RCA	CN-CSRCA-59	Comp. Tool: TL-SNSA	Strip Tool: TL-CSST

Specification Issue Date: 7/06

This document is the property of West Penn Wire. The information contained herein is considered Proprietary and not to be reproduced by any means Without written consent of West Penn Wire

Standard Lengths are 1000ft.
 The Jacket is sequentially footmarked.
 The information presented here is, to the best of our knowledge, is true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise.