

# Technical Data Sheet

## RG59/U Plenum SDI – Digital Cable



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



<b>PART NUMBER:</b>	<b>25819</b>
<b>DESCRIPTION:</b>	RG59/U 20 Awg. Bare Copper, 100% Al. Foil + 95% Tinned Copper Braid and an overall Plenum PVC Jacket
<b>NEC RATING:</b>	CMP
<b>APPROVALS:</b>	(UL) C(UL) Listed or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor within ducts, plenums, and other spaces used for environmental air for (CCTV, CATV, and Digital Video Applications)

### Construction Parameters:

Conductor	20 AWG Bare Copper
Stranding	Solid .032"
Insulation Material	Gas Injected FEP (Teflon)
Insulation Thickness	.132" Nom.
Shield	100% Aluminum Foil + 95% Tinned Copper Braid
Jacket Material	Plenum PVC
Overall Cable Diameter	.203" Nom.
Approximate Cable Weight	27 Lbs/1M' Nom.
Flame Rating	NFPA 262 Plenum Test
Non-Plenum Version Part Number	819

### Electrical & Environmental Properties:

Temperature Rating	-20°C To +75°C
Operating Voltage	300 VRMS
Max.Capacitance Between Conductors @ 1 KHz	16.2 pf/ft Nom.
Nom. Velocity of Propagation	84%
Nom. Impedance	75 Ohms
DC Resistance per Conductor @ 20deg C	10.1 Ohms/1M' Nom.
Jacket Color	Black, White, Yellow, Red Green, Blue
RoHS Compliant	Y
100% Sweep Tested	

### Nom. Attenuation

MHz	dB/100ft
1	.28
10	1.03
71.5	2.20
180	3.62
270	4.55
360	5.24
720	7.29
1000	9.40
1500	12.8
2250	17.48
3000	21.60

### Mechanical Properties:

Max. Recommended Pull Tension	52 lbs
Min. Bend Radius (Install)	2.0"

SRL	
5-850 Mhz	23db
851 Mhz – 3 Ghz	21db

### Connectors:

BNC Type Connector	CN-BM73-32	(Crimp Tool): TL-104	(Stripping Tool): TL-121
Compression BNC Type	CN-CSBNC-59	(Comp. Tool): TL-SNSA	(Stripping Tool): TL-CSST
Compression RCA Type	CN-CSRCA-59	(Comp. Tool): TL-SNSA	(Stripping Tool): TL-CSST

Specification Issue Date: 3/07

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.

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