

Technical Data Sheet

RG59/U SDI – Digital Cable



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 20 Awg. Bare Copper, 100% Al. 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: Digital Video Applications

Construction Parameters:

Conductor	20 AWG Bare Copper
Stranding	Solid .032"
Insulation Material	Gas Injected Polyethylene
Insulation Thickness	.143" Nom.
Shield	100% Aluminum Foil + 95% Tinned Copper Braid
Jacket Material	PVC
Overall Cable Diameter	.233" Nom.
Approximate Cable Weight	31 Lbs/1M' Nom.
Flame Rating	UL1666 Vertical Shaft
Plenum Version Part Number	25819

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 Propogation	83%
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	.66
71.5	1.93
180	3.0
270	3.79
360	4.30
720	6.23
1000	7.49
1500	9.16
2250	11.19
3000	13.23

Mechanical Properties:

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

SRL	
5-850 MHz	23db
851 MHz – 3 GHz	21db

Connectors:

BNC Type Connector	CN-BM73-2	(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