

Technical Data Sheet



RG59/U CCTV + Power Coaxial Cable Plenum



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

PART NUMBER:	252815
DESCRIPTION:	RG59/U 20AWG Bare Copper, 95% Braid + 2 Conductor 18AWG – Siamese Construction Plenum PVC Jacket
NEC RATING:	CMP
APPROVALS:	(UL) C(UL) or c(ETL)us Listed
APPLICATION:	Indoor within ducts, plenums, and other spaces used for environmental air for (CCTV)

Construction Parameters: Coaxial Cable

Conductor	20 AWG Bare Copper RG59/U
Stranding	Solid
Insulation Material	Foam FEP
Insulation Thickness	0.138" Nom.
Shield	95 % Bare Copper Braid
Jacket Material	PVC

Nom. Attenuation	
Mhz	db/100ft
1	.29
10	.68
50	1.80
100	2.52
400	5.30
700	7.24
1000	8.76

Electrical & Environmental Properties: Coaxial Cable

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max. Capacitance Between Conductors @ 1 KHz	16.2pf/ft Nom.
Nom. Velocity of Propagation	82%

Construction Parameters: Power Pair

Conductor	18 AWG Bare Copper
Stranding	7x26
Insulation Material	Flouropolymer
Insulation Thickness	0.007" Nom.
Number of Conductors	2
Shield	None
Drain	None
Jacket Material	PVC

Electrical & Environmental Properties: Power Pair

Temperature Rating	-20°C To +60°C
Operating Voltage	300 V RMS
Max. Capacitance Between Conductors @ 1 KHz	30 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	6.2 Ohms/1M' Nom.
Insulation Colors	Black ,Red

Construction Parameters: Overall Cable

Jacket Material	PVC Plenum
Overall Cable Diameter	.198" x .465"
Jacket Colors	Black or Ivory
Flame Rating	NFPA 262 Flame Test
RoHS Compliant	Yes

Mechanical Properties:

Max. Recommended Pull Tension
Min. Bend Radius (Install)

42 Lbs.
4.65

Connectors:

75ohm BNC Crimp	CN-BM74-32
Compression BNC	CN-FS59BNCPL4

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.