

Technical Data Sheet

CCTV + Power Coaxial Cable



WEST PENN WIRE

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PART NUMBER:	2815B
DESCRIPTION:	RG59/U 20AWG Bare Copper, 95% Braid + 2 Conductor 18AWG – Siamese Construction
NEC RATING:	CM
APPROVALS:	(UL) or (ETL)us Listed
APPLICATION:	CCTV Indoor Baseband video

Construction Parameters: Coaxial Cable

Conductor	20 AWG Bare Copper RG59/U
Stranding	Solid
Insulation Material	Gas Injected Polyethylene (PE)
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
150	3.0
200	3.54
400	4.71
1000	7.80

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	PVC
Insulation Thickness	0.010" 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
Overall Cable Diameter	.232" x .465"
Jacket Colors	Black
Flame Rating	UL1685
RoHS Compliant	Yes

Mechanical Properties:

	Max. Recommended Pull Tension	Min. Bend Radius (Install)
10' Cable	600 lbs.	18"
15' Cable	750 lbs.	24"
20' Cable	900 lbs.	30"
25' Cable	1050 lbs.	36"
30' Cable	1200 lbs.	42"
35' Cable	1350 lbs.	48"
40' Cable	1500 lbs.	54"
45' Cable	1650 lbs.	60"
50' Cable	1800 lbs.	66"
55' Cable	1950 lbs.	72"
60' Cable	2100 lbs.	78"
65' Cable	2250 lbs.	84"
70' Cable	2400 lbs.	90"
75' Cable	2550 lbs.	96"
80' Cable	2700 lbs.	102"
85' Cable	2850 lbs.	108"
90' Cable	3000 lbs.	114"
95' Cable	3150 lbs.	120"
100' Cable	3300 lbs.	126"

-- Lbs.
4.65

Connectors:

75ohm BNC Crimp	CN-BM74-32
Compression BNC	CN-CSBNC-59

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