

# Technical Data Sheet

## RG8/U Coaxial 50 Ohm

# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>810</b>
<b>DESCRIPTION:</b>	RG8/U – 1 Conductor 12 AWG 7x20, 95% Bare copper braid and an overall PVC Jacket.
<b>NEC RATING:</b>	CM
<b>APPROVALS:</b>	(UL) C(UL) Listed or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor for: 50 Systems

### Construction Parameters:

Conductor	12 AWG Bare Copper
Stranding	7x20
Insulation Material	Gas Injected Polyethylene
Insulation Thickness	.280" Nom.
Number of Conductors	1 Center Conductor
Shield	95% Bare Copper Braid
Jacket Material	PVC
Overall Cable Diameter	0.405" Nom.
Approximate Cable Weight	105 Lbs/1M' Nom.
Flame Rating	UL 1685

### Electrical & Environmental Properties:

		<u>Mhz</u>	<u>db/100ft</u>
Temperature Rating	-40deg C to 75deg C	1	.2
Max.Capacitance Between Conductors @ 1 KHz	28 pf/ft Nom.	10	.6
Velocity of Propagation	66% Nom.	50	1.3
Impedance	52 ohms Nom.	100	1.9
DC Resistance per Conductor @ 20deg C	1.6 Ohms/1M' Nom.	400	4.1
Jacket Color	Black	700	5.9
RoHS Compliant	--	900	6.9

### Mechanical Properties:

Max. Recommended Pull Tension	190 lbs.
Min. Bend Radius (Install)	4.0"

Specification Issue Date: 10/11

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Standard Lengths are 1000ft.  
The Jacket is sequentially footmarked.  
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