

# Technical Data Sheet

## RG8/U Coaxial 50 Ohm - Plenum

# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>25810</b>
<b>DESCRIPTION:</b>	RG8/U – 1 Conductor 12 AWG 7x20, 95% Bare copper braid and an overall Copolymer Jacket.
<b>NEC RATING:</b>	CMP
<b>APPROVALS:</b>	(UL) C(UL) Listed
<b>APPLICATION:</b>	Indoor Plenum for: 50 Systems

### Construction Parameters:

Conductor	12 AWG Bare Copper
Stranding	7x20
Insulation Material	Foam FEP
Insulation Thickness	.280" Nom.
Number of Conductors	1 Center Conductor
Shield	95% Bare Copper Braid
Jacket Material	Copolymer- Solef
Overall Cable Diameter	0.352" Nom.
Approximate Cable Weight	98 Lbs/1M' Nom.
Flame Rating	NFPA 262 Plenum

### 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	28.5 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	Natural	700	5.9
RoHS Compliant	--	900	6.9

### Mechanical Properties:

Max. Recommended Pull Tension	183 lbs.
Min. Bend Radius (Install)	3.5"

### Connectors and Accessories

50 Ohm 3 pc. BNC	CN-25810KBNC
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Standard Lengths are 1000ft.  
The Jacket is sequentially footmarked.  
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