

# Technical Data Sheet

## RG6/U Type CATV Coaxial Cable Plenum

# WEST PENN WIRE



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

<b>PART NUMBER:</b>	<b>25Q841</b>
<b>DESCRIPTION:</b>	RG6/U – 1 Conductor 18 AWG Solid, Quad-Shield and an overall Plenum PVC Jacket.
<b>NEC RATING:</b>	CATVP/ CMP
<b>APPROVALS:</b>	(UL) C(UL) Listed or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor for Plenum:– CATV/MATV

### Construction Parameters:

Conductor	18 AWG Bare Copper
Stranding	Solid
Insulation Material	Foam FEP
Insulation Thickness	.170" Nom.
Number of Conductors	1 Center Conductor
Shield	Quad-Shield- 100% Al foil + 65% Al. Braid + 100% Al. Foil + 55% Al. Braid
Jacket Material	Flexible Plenum PVC
Overall Cable Diameter	0.273" Nom.
Approximate Cable Weight	36 Lbs/1M' Nom.
Flame Rating	NFPA 262

### Electrical & Environmental Properties:

		<u>Mhz</u>	<u>db/100ft</u>
Temperature Rating	-20deg C to 60deg C	5	.5
Max.Capacitance Between Conductors @ 1 KHz	16.2 pf/ft Nom.	55	1.6
Velocity of Propagation	82% Nom.	100	2.0
Impedance	75 ohms Nom.	270	2.9
DC Resistance per Conductor @ 20deg C	6.5 Ohms/1M' Nom.	400	4.5
Jacket Color	Ivory	550	4.9
RoHS Compliant	Yes	750	6.6
		1000	8.0
		2000	12.3
		2250	13.36
		3000	15.42

### Mechanical Properties:

Max. Recommended Pull Tension	125 lbs.
Min. Bend Radius (Install)	2.7"

### Connectors and Accessories

F Crimp:	CN-56ALM
F Compression:	CN-DB6PL2

Specification Issue Date: 7/06

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