

# Technical Data Sheet

## RG6/U Type CATV Coaxial Cable Plenum



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|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| <b>PART NUMBER:</b> | <b>25841</b>                                                                                      |
| <b>DESCRIPTION:</b> | RG6/U – 1 Conductor 18 AWG Solid, 100% Al. Foil + 90% Al. Braid 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                   | 100% Al Foil + 90% Al. Braid |
| Jacket Material          | Flexible Plenum PVC          |
| Overall Cable Diameter   | 0.235" Nom.                  |
| Approximate Cable Weight | 26 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          | .50             |
| 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            |
| Max. Recommended Pull Tension              | 91 lbs.             | 2250       | 13.36           |
| Min. Bend Radius (Install)                 | 2.4"                | 3000       | 15.42           |

### Mechanical Properties:

|                               |         |      |       |
|-------------------------------|---------|------|-------|
| Max. Recommended Pull Tension | 91 lbs. | 2000 | 12.3  |
| Min. Bend Radius (Install)    | 2.4"    | 2250 | 13.36 |
|                               |         | 3000 | 15.42 |

### Connectors and Accessories

F Crimp: CN-56ALM  
 F Compression: CN-FS6PL2

Specification Issue Date: 7/06

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