

**Technical Data Sheet**  
**CATV/MATV Cables (RG59/U)**



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|                     |   |
|---------------------|---|
| <b>PART NUMBER:</b> | <b>25Q843</b>   |
| <b>DESCRIPTION:</b> | RG59/U 20 Awg. Bare Copper, Quad-Shielded Construction with an overall Plenum Jacket      |
| <b>NEC RATING:</b>  | CATVP - CL2P  |
| <b>APPROVALS:</b>   | (UL) C(UL) Listed or c(ETL)us Listed  |
| <b>APPLICATION:</b> | Indoor within ducts, plenums, and other spaces used for environmental air for (CATV/MATV) |

**Construction Parameters:**

|                          |  |
|--------------------------|--|
| Conductor                | 20 AWG Bare Copper   |
| Stranding                | Solid  |
| Insulation Material      | Foam FEP   |
| Insulation Thickness     | .138" Nom.   |
| Number of Conductors     | 1 Center Conductor   |
| Shield                   | 100% Bifoil 1+ Al. Braid 65 % +100% Bifoil + Al.Braid 55% Aluminum Braid |
| Jacket Material          | Flexible Plenum PVC  |
| Overall Cable Diameter   | 0.240" Nom.  |
| Approximate Cable Weight | 29 Lbs/1M' Nom.  |
| Flame Rating             | NFPA 262 Plenum  |

**Electrical & Environmental Properties:**

|  |                     |
|--|---------------------|
| Temperature Rating                         | -20deg C to 60deg C |
| Max.Capacitance Between Conductors @ 1 KHz | 16.2 pf/ft Nom.     |
| Velocity of Propogation                    | 82% Nom.            |
| Impedance                                  | 75 ohms Nom.        |
| Shield Effectiveness                       | 110dB Nom.          |
| DC Resistance per Conductor @ 20deg C      | 10.1 Ohms/1M' Nom.  |
| Jacket Color                               | Ivory               |
| RoHS Compliant                             | --                  |

**Nom. Attenuation**

| MHz  | dB/100ft |
|------|----------|
| 55   | 1.95     |
| 100  | 2.50     |
| 400  | 5.30     |
| 700  | 7.40     |
| 1000 | 9.20     |
| 1450 | 11.70    |
| 2000 | 14.20    |
| 3000 | 17.39    |

**Mechanical Properties:**

|                               |         |
|-------------------------------|---------|
| Max. Recommended Pull Tension | 45 lbs. |
| Min. Bend Radius (Install)    | 2.4"    |

**Connectors:**

|                      |           |                       |                            |
|----------------------|-----------|-----------------------|----------------------------|
| "F" Type Connector   | CN-59ALX  | (Crimp Tool): TL-111  | (Stripping Tool): TL-120   |
| Compression "F" Type | CN-FSNS-2 | (Comp. Tool): TL-SNSA | (Stripping Tool): TL-SNSST |

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