

Product: **849R**

20 AWG HD-Digital Coax CMP 12 GHz RG 59 HD-SDI



| CONDUCTOR PARAMETERS         |                            |
|------------------------------|----------------------------|
| No. of Conductors            | 1                          |
| AWG Size                     | 20 AWG                     |
| Conductor Stranding          | Solid                      |
| Conductor Type               | SC Silver Copper           |
| Nom. DCR                     | 10.1 $\Omega$ /1000 ft     |
| INSULATION PARAMETERS        |                            |
| Insulation Type              | Foam FEP                   |
| Insulation Thickness         | .145 in                    |
| Insulation Color Code        | White Foam Dielectric      |
| SHIELDING PARAMETERS         |                            |
| Shield Type                  | 100% Aluminium Foil Shield |
| Shield Type 2                | 95% Tinned Copper          |
| ELECTRICAL CHARACTERISTICS   |                            |
| Nom. Cap. Between Cond.      | 16 pf/ft                   |
| Nom. Impedance               | 75 $\Omega$                |
| Nom. Velocity of Propagation | 82%                        |

| OVERALL CONSTRUCTION PARAMETERS |         |
|---------------------------------|---------|
| Total No. of Conductors         | 1       |
| Jacket Type                     | PVC     |
| Nom. Cable O.D.                 | .233 in |
| Plenum                          | No      |
| NEC UL Rating                   | CMP     |
| RoHS Compliant                  | Yes     |
| Bend Radius                     | 2.3     |
| Pull Tension                    | 52 lbs  |
| Cable Weight                    | 30 lbs  |

| OVERALL ELECTRICAL CHARACTERISTICS |                        |
|------------------------------------|------------------------|
| UL Flammability                    | UL 1666 Vertical Shaft |
| Operating Range                    | -20 to 75°C            |
| UL Voltage                         | 300V                   |

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| RETURN LOSS     |                 |
|-----------------|-----------------|
| 5 - 1600 MHz    | 23 dB           |
| 1600 - 4500 MHz | 21 dB           |
| 4500 - 6000 MHz | 15 dB           |
| ATTENUATION     |                 |
| 1 MHz           | 0.30 dB/100 ft  |
| 5 MHz           | 0.63 dB/100 ft  |
| 10 MHz          | 0.90 dB/100 ft  |
| 25 MHz          | 1.3 dB/100 ft   |
| 67.5 MHz        | 2.05 dB/100 ft  |
| 100 MHz         | 2.3 dB/100 ft   |
| 135 MHz         | 2.7 dB/100 ft   |
| 180 MHz         | 3.1 dB/100 ft   |
| 360 MHz         | 4.4 dB/100 ft   |
| 540 MHz         | 5.5 dB/100 ft   |
| 720 MHz         | 6.4 dB/100 ft   |
| 1 GHz           | 7.6 dB/100 ft   |
| 1.5 GHz         | 9.3 dB/100 ft   |
| 2 GHz           | 10.80 dB/100 ft |
| 3 GHz           | 13.40 dB/100 ft |
| 4.5GHz          | 16.70 dB/100 ft |
| 6 GHz           | 19.7 dB/100 ft  |
| 12 GHz          | 28.7 dB/100 ft  |
| CONNECTOR       |                 |
| Crimp BNC 3 PC  | 031-70546-12G   |

| VARIANTS    |            |                               |
|-------------|------------|-------------------------------|
| Item Number | 849RBK1000 | Black Jacket - 1000 ft Put Up |