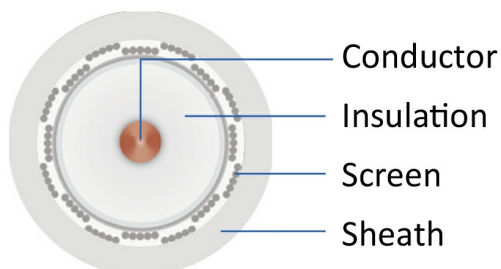
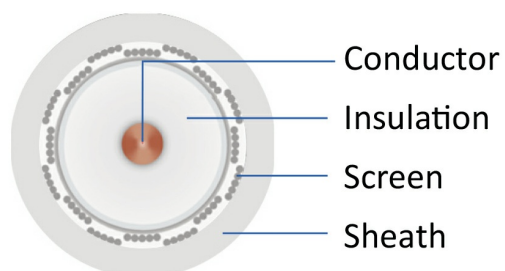


# Braytron

## PRODUCT DATASHEET

|             |                                         |
|-------------|-----------------------------------------|
| MODEL NO    | BZ20-00100                              |
| DESCRIPTION | BRY-COAXIAL-RG59-CX1-CCS-WHT-100M-CABLE |



BRAYTRON SRL

Bulavardul iuliu maniu, Nr.616, Sector 6, 061129, Bucuresti-ROMANIA

info@braytron.com

www.braytron.com

Page 1-3

### General Characteristics

|                      |   |              |
|----------------------|---|--------------|
| Model No             | : | BZ20-00100   |
| Main Family          | : | Electrical   |
| Sub Family           | : | Cable        |
| Cable Length         | : | 100 mt       |
| Field of Application | : | Indoor       |
| Temperature          | : | -30 °C+70 °C |
| Bending Radius       | : | 10 x D       |
| CPR Class            | : | Class D      |
| DoP No.              | : | 0.18         |
| Sheath Colour        | : | White        |

### Package Informations

|         |   |               |
|---------|---|---------------|
| N.W.    | : | 18,00 kgs     |
| G.W.    | : | 18,50 kgs     |
| PCS/CTN | : | 6 roll        |
| Length  | : | 520 mm        |
| Width   | : | 275 mm        |
| Height  | : | 280 mm        |
| EAN     | : | 5949097745898 |

### Certificates and Regulations

|                  |   |                                     |
|------------------|---|-------------------------------------|
| Coaxial TSE      | : | Yes                                 |
| 2015/863/EU RoHS | : | Restriction of Hazardous Substances |
| 2014/35/EU LVD   | : | Low Voltage Directive               |

### Dimensions & Weight

|                |   |              |
|----------------|---|--------------|
| Weight         | : | 3000 gr/roll |
| Copper Approx  | : | 0.83 kg/km   |
| Outer Ø Approx | : | 5,85 mm      |

### Attenuation at 20°C

|          |   |               |
|----------|---|---------------|
| 5 mHz    | : | 3,85 dB/100m  |
| 50 mHz   | : | 5,95 dB/100m  |
| 200 mHz  | : | 11,71 dB/100m |
| 400 mHz  | : | 16,8 dB/100m  |
| 800 mHz  | : | 23,62 dB/100m |
| 1000 mHz | : | 26,85 dB/100m |
| 2150 mHz | : | 40,63 dB/100m |
| 2400 mHz | : | 43,22 dB/100m |
| 3000 mHz | : | 48,92 dB/100m |

### Flame Characteristics

|                  |   |         |
|------------------|---|---------|
| Flame Retardancy | : | UV+Rohs |
| Halogen Free     | : | Yes     |
| Smoke Density    | : | Middle  |

### Low-Frequency and Electrical Characteristics

|                          |   |                                    |
|--------------------------|---|------------------------------------|
| Insulation resistance    | : | $\geq 2 \text{ G}\Omega\text{xkm}$ |
| Characteristic impedance | : | $75 \pm 3 \Omega$                  |
| Capacitance              | : | $52 \pm 2 \text{ pF/m}$            |
| Operating Voltage        | : | Max. 1300 V                        |
| Test Voltage             | : | 3000 V                             |

### High-Frequency and Transmission Characteristics

|                         |   |                                                                                                      |
|-------------------------|---|------------------------------------------------------------------------------------------------------|
| 18 B type / 75-5 type   | : | 20AWG                                                                                                |
| Test Frequency          | : | 5-3000 MHz                                                                                           |
| Velocity of Propagation | : | $84\% \pm 2$                                                                                         |
| Return Loss             | : | 5-470MHz > 20dB<br>470-1000MHz > 18dB<br>1000-2000MHz > 16dB<br>2000-3000MHz > 15dB                  |
| Screening Attenuation   | : | 300-1000MHz $\geq 75\text{dB}$<br>1000-2000MHz $\geq 65\text{dB}$<br>2000-3000MHz $\geq 55\text{dB}$ |
| Transfer Impedance      | : | 5-30MHz $\leq 50\text{m}\Omega/\text{m}$                                                             |
| Screening Class         | : | Class C Type                                                                                         |

### Construction

|            |   |                            |
|------------|---|----------------------------|
| Conductor  | : | 0.81CCS 20 AWG             |
| Insulation | : | 3.66FPE                    |
| Screen     | : | AL+PET<br>FOIL+64x0.12ALMG |
| Sheath     | : | PVC                        |