



## CATV-Distribution-Cable RG11 (Cu) 77% PVC

## S1177BVCU



## Application

Installation cable used in professional networks, distributing TV signal and also applied as an aerial cable for terrestrial and satellite broadcast systems.

## Construction

|                 |                                      | Diameter          |
|-----------------|--------------------------------------|-------------------|
| Inner conductor | copper [Cu]                          | Ø 1.63 ± 0.02 mm  |
| Insulation      | physical foamed PE, natural color    | Ø 7.11 ± 0.15 mm  |
| Outer conductor |                                      |                   |
| Inner foil      | tape [AL-PET] bonded                 |                   |
| Shield          | aluminum braid, optical coverage 77% |                   |
| Jacket          | black PVC                            | Ø 10.03 ± 0.20 mm |

## Electrical properties at 20 °C

|                         |         |        |
|-------------------------|---------|--------|
| Impedance               | Ω       | 75 ± 2 |
| Max attenuate           |         |        |
| 5 MHz                   | dB/100m | 1.22   |
| 55 MHz                  | dB/100m | 3.04   |
| 211 MHz                 | dB/100m | 6.06   |
| 250 MHz                 | dB/100m | 6.57   |
| 350 MHz                 | dB/100m | 7.93   |
| 400 MHz                 | dB/100m | 8.58   |
| 450 MHz                 | dB/100m | 9.04   |
| 500 MHz                 | dB/100m | 9.47   |
| 550 MHz                 | dB/100m | 9.89   |
| 600 MHz                 | dB/100m | 10.35  |
| 750 MHz                 | dB/100m | 11.88  |
| 865 MHz                 | dB/100m | 12.94  |
| 1000 MHz                | dB/100m | 14.08  |
| 1200 MHz                | dB/100m | 15.73  |
| 1450 MHz                | dB/100m | 17.69  |
| 1750 MHz                | dB/100m | 19.86  |
| Shielding effectiveness | dB      | > 95   |
| Propagation velocity    | %       | 85     |
| Resistance DC           |         |        |
| Inner conductor         | Ω/km    | 8.3    |
| Outer conductor         | Ω/km    | 21     |
| Return loss             |         |        |
| 5 - 1000 MHz            | dB      | ≥ 20   |
| Nominal capacitance     | pF/m    | 53.2   |

## Technical data

| Product code | Cable type                                   | Standard length [m] | Package dimensions<br>high [cm]<br>width [cm]<br>depth [cm] | Minimum bend radius [mm] |
|--------------|----------------------------------------------|---------------------|-------------------------------------------------------------|--------------------------|
| S1177BVCU    | Coaxial cable RG11 copper (Cu) 77% PVC black | 305                 | 38x41x41                                                    | 50                       |

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