



CATV-Installation-Cable RG6 (Cu) 77% flooded PE

S677BEFCU



Application

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

Construction

| | | |
|------------------------|--------------------------------------|-------------------------|
| | | <u>Diameter</u> |
| Inner conductor | copper [Cu] | Ø 1.02 ± 0.01 mm |
| Insulation | physical foamed PE, natural color | Ø 4.57 ± 0.13 mm |
| Outer conductor | | |
| Inner foil | tape [AL-PET] bonded | |
| Shield | aluminum braid, optical coverage 77% | |
| Jacket | black PE, flooded | Ø 6.91 ± 0.20 mm |

Electrical properties at 20 °C

| | | | |
|--------------------------------|----------|---------|--------|
| Impedance | | Ω | 75 ± 2 |
| Max attenuate | 5 MHz | dB/100m | 1.92 |
| | 55 MHz | dB/100m | 5.06 |
| | 211 MHz | dB/100m | 9.82 |
| | 250 MHz | dB/100m | 10.67 |
| | 350 MHz | dB/100m | 12.59 |
| | 400 MHz | dB/100m | 13.43 |
| | 450 MHz | dB/100m | 14.32 |
| | 500 MHz | dB/100m | 15.18 |
| | 550 MHz | dB/100m | 15.97 |
| | 600 MHz | dB/100m | 16.68 |
| | 750 MHz | dB/100m | 18.43 |
| | 865 MHz | dB/100m | 19.97 |
| | 1000 MHz | dB/100m | 21.37 |
| | 1200 MHz | dB/100m | 23.83 |
| | 1450 MHz | dB/100m | 26.16 |
| | 1750 MHz | dB/100m | 28.97 |
| Shielding effectiveness | | dB | > 95 |
| Propagation velocity | | % | 85 |
| Resistance DC | | | |
| Inner conductor | | Ω/km | 21 |
| Outer conductor | | Ω/km | 30 |
| Return loss | | | |
| 5 - 1000 MHz | | dB | ≥ 20 |
| Nominal capacitance | | pF/m | 53.2 |

Technical data

| Product code | Cable type | Standard length [m] | Package dimensions high [cm] width [cm] depth [cm] | Minimum bend radius [mm] |
|--------------|--|---------------------|---|--------------------------|
| S677BEFCU | Coaxial cable RG6 copper (Cu) 77% flooded PE black | 100 | | 50 |

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