



## CATV-Distribution-Cable RG11 (Cu) 60% flooded PE with steel rope

### S1160BEFMCU



#### Application

Installation cable used in professional networks, distributing TV signal and also applied as an aerial cable for terrestrial and satellite broadcast systems. It can be installed directly in the ground, pipes and communication channels, as well as suspended in the open air.

#### Construction

		<u>Diameter</u>
<b>Inner conductor</b>	copper [Cu]	Ø <b>1.63</b> ± 0.02 mm
<b>Insulation</b>	physical foamed PE, natural color	Ø <b>7.11</b> ± 0.15 mm
<b>Outer conductor</b>		
<b>Inner foil</b>	tape [AL-PET] bonded	
<b>Shield</b>	aluminum braid, optical coverage 60%	
<b>Jacket</b>	black PE, flooded	Ø <b>10.03</b> ± 0.20 mm
<b>Steel rope</b>	FeZn	Ø <b>1.83</b> mm
<b>Tension force</b>	160 kg	

#### 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
<b>Shielding effectiveness</b>		dB	> 80
<b>Propagation velocity</b>		%	85
<b>Resistance DC</b>			
Inner conductor		Ω/km	8.3
Outer conductor		Ω/km	21
<b>Return loss</b>			
5 - 1000 MHz		dB	≥ 20
<b>Nominal capacitance</b>		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]
S1160BEFMCU	Coaxial cable RG11 copper (Cu) 60% flooded PE black with steel rope	500	42x60x60	50

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