IVOX
AUDIO & VIDEO CABLE

50 Ω COAXIAL CABLES

ISO9001 CERTIFIED RoHS COMPLIANT REACH CE

RG 213 U

✓STUDIO ✓INSTALLATION

PVC OFC ANALOG

APPLICATION

This cable can do it and its versatility is quite remarkable. Our RG-cables are famous for their age resistance and longevity. RG (radio guide)-cables have either one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally designed for the military, guarantees excellent and consistent manufacturing quality and durability. RG-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

CONSTRUCTION DATA

Inner conductor	7 x 0,75 mm ø (AWG 12) Stranded Bare Copper
Insulation	7,3 mm ø Solid PE
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc
Outer Diameter	10,3 mmø
Cable Weight	16 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,7 Ω / km
Shield	< 10 Ω / km
Mutual capacitance	100± 2 pF/m
Velocity of Propagation	66%
Characteristic Impedance	50 Ω ± 2
Screening factor	≥ 55 dB
Max. Operating Voltage	300 V Rms
Attenuation (db /100 Mt)	

Attenuation (db /100 Mt)

Frequency (MHz)	10	100	200	400	800	1000
Attenuation (dB/100m)	4,2	6,5	9	14,1	19,8	24,2

Return loss (dB)

Frequency (MHz)	(dB)
50 – 100	≥ 27
100 – 300	≥ 27
300 – 500	≥ 26
500 – 1000	≥ 25

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

BLACK