

# RG6 75 Ohm CATV Coaxial Cable



## TECHNICAL FEATURES

Conductor:	Soild wire
Insulation:	Foam PE Polyethylene colour natural
Tape shield (if applicable) :	Alluminium polyester tape h18mm, 100% coverage
Braid shield:	Bare copper or Aluminium
Sheath material:	Polyvinyl Chloride (PVC) Colour Black or Transparent
Temperature range:	-30 / 70°C
Standards:	IEC 611961-1 / (BS) 50117 / EN 50290-2

## APPLICATION

RG6 Coax cables 75 Ohm are ideal for residential and commercial antenna, cable television and satellite installations

## SPECIAL FEATURES

lead Free CEI 20-52  
Conform to RoHS

## REMARKS

CE acc. to EC low-voltage Directory 73/23/EEC and 73/23/EEC and 93/68/EEC  
Standard put up: 305 meters drums

### Physical characteristics

ITALICAB part number		ITAL035	ITAL039
Conductor size	AWG	18	18
Nom. Diameter of conductor	mm	1,02	1,02
Conductor material	type	CCS	BC
Dielectric Pee/PH Ø	mm	4,60	4,60
Tape shield	Yes/No	Yes	No
Braid shield	%	> 60	> 95
Braid material	type	Al	BC
Nom. Overall outer diameter	mm	6,8 ± 0,10	6,8 ± 0,10
Impedance	Ohm	75 ± 3	75 ± 3
Capacitance	pF/m	53,0	56,0
Velocity Ratio	%	84,0	80,0
Inner conductor resistance	Ohm/km	64,0	22,5
Braid resistance	Ohm/km	15,9	7,0
Testing voltage, Spark-test	kV	3,5	3,5
Min bending radius	mm	34,0	34,0
Cable weight	kg/km	40,7	54,8

Cu (BC) Copper - bare copper

CuSn Tinned copper

Al Aluminum

CCS Copper Clad Steel

CCA Copper Clad Alluminium

MATV Master Antenna television

CATV Community Antenna television

DGSAT Digital Satellite

CCTV closed circuit television (security)

Frequency	Max Attuation at 20°C (dB/100m)(±8%)	Max Attuation at 20°C (dB/100m)(±8%)
MHz	dB/100mt	dB/100mt
5	1,4	1,5
10	2,0	2,1
50	4,4	5,1
100	6,3	7,4
200	9,0	10,8
300	10,9	13,6
470	13,9	17,5
600	16,2	20,5
800	18,6	23,8
862	19,5	25,2
1000	21,3	27,6
1350	25,0	31,9
1500	27,0	34,1
1750	29,1	36,8
2150	32,8	41,2
2400	35,2	44,3
2750	38,2	48,4
3000	40,5	50,4

ITAL035

ITAL039

### Structural Return Loss dB

30 + 470 MHz >31dB	30 + 300 MHz >30dB
470 + 862 MHz >30dB	300 + 800 MHz >27dB
862 + 2400 MHz >26dB	800 + 1000 MHz >25dB
2400 + 3000 MHz >22dB	1000 + 2000 MHz >22dB

### Screening attenuation dB

30 + 1000 MHz >90dB	100 + 900 MHz >57dB
1000 + 2000 MHz >80dB	900 + 2000 MHz -
2000 + 3000 MHz >70dB	2000 + 3000 MHz -