

RG6 75 Ohm CATV Coaxial Cable



TECHNICAL FEATURES

Conductor	Sold 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 Directive 73/23/EEC and 93/68/EEC
Standard put up: 305 meters drums

Physical characteristics		ITAL035	ITAL039
ITALCOND 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
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 -