

RG11 75 Ohm CATV Coaxial Cable



TECHNICAL FEATURES

Conductor	Soild wire
Insulation	Foam PE Polyethylene colour natural
Tape shield (if applicable)	Alluminium polyester tape h27mm, 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

RG11 Coax cable 75 Ohm is primarily used for longer distance runs 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			
ITALCOND part number		ITAL038	ITAL040
Conductor size	AWG	14	14
Nom. Diameter of conductor	mm	1,63	1,63
Conductor material	type	CCS	BC
Dielectric Pee/PH Ø	mm	7,20	7,20
Tape shield	Yes/No	Yes	No
Braid shield	%	> 60	> 95
Braid material	type	Al	BC
Nom. Overall outer diameter	mm	10,2 ± 0,10	10,3 ± 0,10
Impedance	Ohm	75 ± 3	75 ± 3
Capacitance	pF/m	53,0	53,0
Velocity Ratio	%	84,0	84,0
Inner conductor resistance	Ohm/km	8,2	8,2
Braid resistance	Ohm/km	10,0	4,8
Testing voltage, Spark-test	kV	5,0	5,0
Min bending radius	mm	51,0	51,0
Cable weight	kg/km	87,6	126,4

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	0,8	1,0
10	1,0	1,5
50	2,8	3,2
100	4,0	4,4
200	5,9	6,3
300	6,9	7,9
470	8,9	10,0
600	10,2	11,4
800	12,1	13,4
862	12,3	13,9
1000	13,5	15,2
1350	16,3	18,0
1500	17,4	18,9
1750	18,8	20,8
2150	21,1	23,5
2400	22,4	24,6
2750	24,0	27,1
3000	25,4	29,6

ITAL038		ITAL040	
Structural Return Loss dB			
30 ÷ 470 MHz	>31dB	30 ÷ 300 MHz	>31dB
470 ÷ 862 MHz	>28dB	300 ÷ 800 MHz	>29dB
862 ÷ 2400 MHz	>24dB	800 ÷ 1000 MHz	>28dB
2400 ÷ 3000 MHz	>20dB	1000 ÷ 2000 MHz	>24dB
		2000 ÷ 3000 MHz	>20dB
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	-