



Coaxial Cables

The communication and information revolution has provided households and organizations with unprecedented access to CATV, the Internet, multimedia and telephony services. Master Flex coaxial cables are the forefront of delivery of these services, ensuring high speed, high capacity and reliability. Master Flex cable designs of today are more than prepared to meet the demands of the future.

GAS INJECTED FOAM COAXIAL CABLES

The centre conductor is made of solid electrolytic grade 99.97 pure copper to ensure better signal transmission. The conductor is insulated with foam dielectric made of polyethylene. The double screen of special composite type bonded aluminium foil and special grade aluminium alloy braiding of 60% coverage ensure low loss in signal quality, additional mechanical strength and resistance to oxide formation in tropical weather conditions. The specially formulated PVC compound used in the jacketing is UV and abrasion resistant.

CONSTRUCTION	CABLE TYPE		
PARAMETERS	RG 11F	RG 6F	RG 59F
CENTER CONDUCTOR	Solid bare copper	Solid bare copper	Solid bare copper
Nom.Dia. (mm)	1.63	1.02	0.8
DIELECTRIC	Foam PE	Foam PE	Foam PE
Nom.Dia. (mm)	7.11	4.57	3.55
OUTER CONDUCTOR			
1st Shield	Al-Foil Bonded	Al.Foil Bonded	Al.Foil Bonded
2nd Shield	Al-Alloy Braiding	Al.Alloy Braiding	Al.Alloy Braiding
Min.Coverage (%)	60	60	60
Flooding Compound	Jelly	Jelly	Jelly
JACKET	PVC Black	PVC Black	PVC Black
Nom.Dia. (mm)	10.3	7.25	6.2
BENDING RADIUS (mm)	70	60	60

ELECTRICAL	CABLE TYPE		
PARAMETERS	RG 11F	RG 6F	RG 59F
Center Conductor			
(Max .resistance at 20°C)	0.85ohm/ 100 mtr.	2.14ohm/ 100 mtr.	3.55 ohm/ 100 mtr.
Nom.Capacitance (PF/Mtrs.)	53 +/- 3	53 +/- 3	53 +/- 3
Characteristics			
Impedance (Ohms)	75+/- 3	75+/- 3	75+/- 3
Nom.Velocity Ratio (%)	85	85	85
Attenuation @ 20°C (db / 100 Mtrs.) at			
5 MHz	1.25 db	1.95 db	2.82 db
55 MHz	3.15 db	5.20 db	6.73 db
211 MHz	6.23 db	9.50 db	12.47db
250 MHz	6.72 db	10.50 db	13.45 db
300 MHz	7.38 db	11.50 db	14.60 db
350 MHz	7.94 db	12.45 db	15.75 db
400 MHz	8.53 db	13.30 db	16.73 db
450 MHz	9.02 db	14.35 db	17.72 db
550 MHz	9.97 db	15.70 db	19.52 db
600 MHz	10.43 db	16.45 db	20.34 db
750 MHz	11.97 db	18.35 db	22.87 db
865 MHz	13.05 db	19.95 db	24.67 db
1000 MHz	14.27 db	21.45 db	26.64 db

