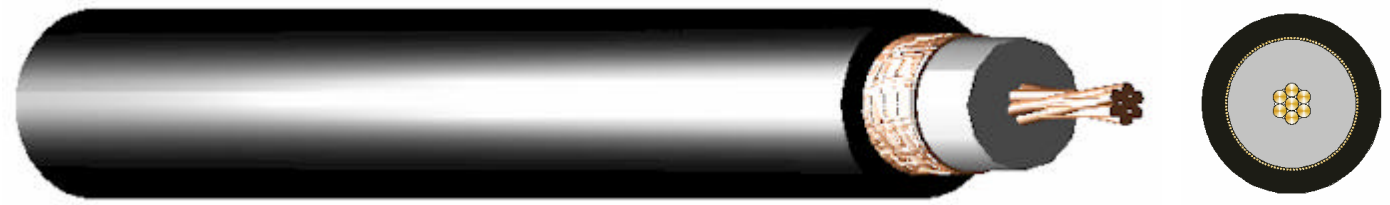
General Cable

COAXIAL
RG Type



APPLICATION

Suitable for TV down leads, antenna installations and data applications as follows;

ASC 2006	TV down lead
RG 11	Antennae feed
RG 58	Antennae feed, Data
RG 59	Antennae feed, Data
RG 62	Data
RG213	Antennae feed, Data
URM 57	Antennae feed
THINNET	Data

CONDUCTOR	Plain Annealed Copper Tinned Annealed Copper Copper Covered Steel Wire
DIELECTRIC TYPE	Cellular Polyethylene Solid Polyethylene Thread and Tube
SCREEN	Copper Braid
SHEATH	PVC, V-75 Black

Type	Conductor Type (a)	Number & Diameter of Wires (No./mm)	Dielectric Type	Dielectric Diameter mm	Braid Coverage %	Approx. Mass kg/100m	Standard Packing 100
ASC 2006	PAC	7/0.25	Cellular Pe	3.25	54	3	✓
RG 11	TAC	7/0.40	Solid Pe	7.24	95	14	✓
RG 58	TAC	19/0.18	Solid Pe	2.90	93	4	✓
RG 59	CCS	1/0.58	Solid Pe	3.66	93	5	✓
RG 62	CCS	1/0.64	Thread & Tube	3.65	93	5	✓
RG 213	PAC	7/0.77	Solid Pe	7.24	95	16	✓
URM 57	PAC	1/1.15	Solid Pe	7.25	93	14	✓
THINNET	TAC	19/0.20	Cellular Pe	2.90	90	3	✓

(a) PAC = Plain Annealed Copper, TAC = Tinned Annealed Copper, CCS = Copper Covered Steel

Type	Nominal Overall Diameter mm	Minimum installed bending radius mm	Maximum pulling tension (a) kN	Application	Impedence Ω
ASC 2006	5.1	40	0.092	TV lead	75
RG 11	10.3	85	0.42	Antenna	75
RG 58	4.9	40	0.13	Antenna, Data	50
RG 59	6.1	50	0.17	Antenna, Data	75
RG 62	6.0	50	0.18	Data	93
RG 213	10.3	85	0.63	Antenna, Data	50
URM 57	10.3	85	0.49	Antenna	75
THINNET	4.6	40	0.13	Data	50

(a) Based on a copper strength of 70N/mm².

Values are nominal unless otherwise specified.

ELECTRICAL CHARACTERISTICS									
Type	Maximum DC Resistance @20°C Ω/100m	Capacitance pF/m	Velocity of Propagation %	Attenuation @ dB/100m					
				10MHz	50MHz	100MHz	200MHz	500MHz	1GHz
ASC 2006	5.40	56	80	3.4	7.7	11.0	15.7	25.4	37.0
RG 11	2.17	67	67	1.9	4.4	6.4	9.5	16.7	27.3
RG 58	4.51	97	67	4.7	10.6	15.1	21.7	35.6	52.9
RG 59	17.60	66	67	3.7	8.4	12.1	17.3	28.1	41.0
RG 62	13.40	42	86	2.8	6.4	9.2	13.2	21.4	31.1
RG 213	0.57	100	67	1.9	4.4	6.4	9.2	15.3	22.9
URM 57	1.72	67	67	1.9	4.4	6.3	9.2	15.2	22.7
THINNET	3.65	90	78	4.3	9.6	13.7	-	-	-

Handling:

Cables with cellular dielectrics, and polythene thread and tube dielectrics require larger bending radii. These cables should be handled with care to avoid bending sharply or kinking.

Termination:

Solid dielectric cables will fit standard connectors (BNC, UHF, etc).
Cellular dielectric cables will fit most types of TV connector or similar.

Identification of UR series:

UR – Uniradio to BS 2316
M – Metricated Specification
57 – The specific number referring to a particular design and operating characteristics.

Identification of RG series:

R – Radio Frequency
G – Government
59 – The specific number assigned by the government approval

2.2.1.1.2

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Diagrams of cables are illustrative only and are not necessarily to scale.