

# RG Coaxial Cable



Eland Product Group: **A7E**

## APPLICATION

High quality RG Type Coaxial cables, 50 or 75 Ohm is suitable for many applications, including low power video, video signal, and broadband signals. A broad selection available in Duct Grade or LSZH versions.

## CONSTRUCTION

### Conductor

RG6: CCS (Copper Clad Steel)  
RG11: CCS (Copper Clad Steel)  
RG58: TCW (Tinned Copper Wire)  
RG59: CCS (Copper Clad Steel)  
RG59 SHOTGUN LSZH CCA: CCA (Copper Clad Aluminium)  
RG179: TCW (Tinned Copper Wire)  
RG213 PVC: PCW (Copper Wire)  
RG213 LSZH: PCW (Copper Wire)

### Dielectric

RG6: FPE (Foam Polyethylene)  
RG11: FPE (Foam Polyethylene)  
RG58: PE (Polyethylene)  
RG59: PE (Polyethylene)  
RG59 SHOTGUN LSZH CCA: PE (Polyethylene)  
RG179: FPE (Foam Polyethylene)  
RG213 PVC: PE (Polyethylene)  
RG213 LSZH: PE (Polyethylene)

### Shield

RG6: Aluminium foil

## CHARACTERISTICS

### Voltage Rating

30V

### Temperature Rating

-20°C to +75°C

### Sheath Colour

● Black

## CABLE STANDARDS

Generally to BS EN 50117



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

### Braiding

RG6: CCA (Copper Clad Aluminium)  
RG58: TCWB (Tinned Copper Wire Braid)  
RG59: CCA (Copper Clad Aluminium)

### Sheath

RG6: PVC (Polyvinyl Chloride)  
RG11: PVC (Polyvinyl Chloride)  
RG58: PVC (Polyvinyl Chloride)  
RG59: PVC (Polyvinyl Chloride)  
RG59 SHOTGUN LSZH CCA: LSZH (Low Smoke Zero Halogen)  
RG179: PVC (Polyvinyl Chloride)  
RG213 PVC: PVC (Polyvinyl Chloride)  
RG213 LSZH: LSZH (Low Smoke Zero Halogen)

## DIMENSIONS

ELAND PART NO.	COAXIAL CABLE	NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER OF DIELECTRIC mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A7ERG6B/U	RG6	1	1.02	4.6	6.6	37
A7ERG11COAX	RG11	7	0.4	7.24	10.1	152
A7ERG59B/U	RG59	1	0.58	3.7	6.15	52
A7E2XRG59BU	RG59 SHOTGUN LSZH CCA	1	0.58	3.7	6.1 x 12.4	91
A7ERG179	RG179	1	0.36	1.65	3.05	15
A7ERG213PAC	RG213 PVC	7	0.75	7.24	10.3	57
A7ERG213LSZH	RG213 LSZH	7	0.75	7.25	10.3	57
58	RG58	19	0.18	2.95	4.95	-

## ELECTRICAL CHARACTERISTICS

COAXIAL CABLE	NOMINAL CAPACITANCE pf/m	IMPEDANCE ohms	VELOCITY RATIO %
RG6	54	75	85
RG11	54	75	85
RG59	72	75	66
RG59 SHOTGUN LSZH CCA	70	75	66.6
RG179	54	75	82
RG213 PVC	101	50	81
RG213 LSZH	101	50	81
58	97	50	60