

Coaxial Cable Type RG/URM/Composite

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. Many types are available in Duct Grade, LSF or LSZH versions.

Technical Data

Conductor

RG6: CCS (Copper Clad Steel)
 RG11: TCW (Tinned Copper Wire)
 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 (Plain Copper Wire)
 RG213 LSZH: PCW (Plain Copper Wire)
 URM67: PCW (Plain Copper Wire)
 URM70: PCW (Plain Copper Wire)
 75 Ohm Coax + 1Pair: PCW (Plain Copper Wire) + TCW (Tinned Copper Wire)
 75 Ohm Coax + 1Pair: PCW (Plain Copper Wire) + TCW (Tinned Copper Wire)

Dielectric

RG6: FPE (Foam Polyethylene)
 RG11: PE (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)
 URM67: PE (Polyethylene)
 URM70: PE (Polyethylene)
 75 Ohm Coax + 1Pair: PE (Polyethylene)
 + PVC (Polyvinyl Chloride)
 75 Ohm Coax + 1Pair: PE (Polyethylene)
 + LSF (Low Smoke and Fume)

Shield

RG6: Aluminium Foil

Braiding

RG6: CCA (Copper Clad Aluminium)
 Bare copper braid

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)
 URM67: PVC (Polyvinyl Chloride)
 URM70: PVC (Polyvinyl Chloride)
 75 Ohm Coax + 1Pair: PVC (Polyvinyl Chloride)
 75 Ohm Coax + 1Pair: LSF (Low Smoke and Fume)

Sheath Colour

Black
 URM70: Black or White

Voltage Rating

30V

Temperature Rating

60°C

Dimensions

Eland Product Number	Coaxial Cable	No. and 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	4.57	6.50	36.4
A7ERG11COAX	RG11	7/0.40	7.30	10.30	152.0
A7ERG59B/U	RG59	1/0.58	3.70	6.15	52.0
A7E2XRG59BU	RG59 SHOTGUN LSZH CCA	1/0.58	3.70	6.1 x 12.4	90.8
A7ERG179	RG179	1/0.36	1.60	2.80	14.2
A7ERG213PAC	RG213 PVC	7/0.75	7.25	10.30	57.0
A7ERG213LSZH	RG213 LSZH	7/0.75	7.25	10.30	57.0

Eland Product Number	Coaxial Cable	No. and Nominal Diameter of Strands # / mm	Nominal Overall Diameter of Dielectric mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A7EURM67	URM67	7/0.75	7.25	10.30	57.0
A7EURM70	URM70	7/0.19	3.20	5.80	46.0
A3B9265BK	75 Ohm Coax + 1Pair	2 x 7/0.25	3.70 + 1.40	6.15 + 5.50	90.9
A3B9265BKLSF	75 Ohm Coax + 1Pair	2 x 7/0.25	3.70 + 1.40	6.15 + 5.50	90.9

Electrical Characteristics

Coaxial Cable	Nominal Capacitance pF/mtr	Impedance ohms	Velocity Ratio %
RG6	53	75	83.3
RG11	67	75	66.6
RG59	67	75	66.6
RG59 SHOTGUN LSZH CCA	70	75	66.6
RG179	64	75	82.0
RG213 PVC	100	50	66.7
RG213 LSZH	100	50	66.7
URM67	100	50	66.6
URM70	67	75	66.6
75 Ohm Coax + 1Pair	56 + 167	75 + 35	78/58
75 Ohm Coax + 1Pair	56 + 167	75 + 35	78/58

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.