

Coaxial BT3002/RA7000 Eq. Cable

Eland Product Group **A7E**



Application

Manufactured to BT specifications and used for interconnecting of data or telecoms equipment.

Technical Data

Conductor

Solid plain copper

Dielectric

BT3002: FPE (Foam Polyethylene)
RA7000 Eq.: PE (Polyethylene)

Screen

BT3002
Screen 1: TCWB (Tinned Copper Wire Braid)
Screen 2: TCWB (Tinned Copper Wire Braid)

RA7000 Eq.
Screen 1: Bonded Aluminium PETP (Polyethylene Terephthalate)
Screen 2: TCWB (Tinned Copper Wire Braid)

Insulation

BT3002: PVC (Polyvinyl Chloride)
RA7000 Eq.: LSZH (Low Smoke Zero Halogen)

Separator

Unspecified material

Sheath

BT3002: PVC (Polyvinyl Chloride)
RA7000 Eq.: LSZH (Low Smoke Zero Halogen)

Sheath Colour

White

Voltage Rating

30V

Temperature Rating

70°C

Dimensions

Eland Part Number	Coaxial Cable	No. of Cores	No. and Nominal Diameter of Strands # / mm	Nominal Thickness of Dielectric mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A7EBT3002/8	BT3002 8 Core	8	1/0.31	1.95	16.0	282.6
A7EBT3002/16	BT3002 16 Core	16	1/0.31	1.95	20.5	556.8
A7E757KLSZH/01	RA7000 Eq.	1	1/0.61	1.09	4.55	28.4

Electrical Characteristics

Coaxial Cable	Nominal Capacitance pF/m	Impedance ohms	Velocity Ratio %	Maximum Conductor Resistance at 20°C ohms/Km
BT3002 8 Core	70	75	66.6	246.5
BT3002 16 Core	70	75	66.6	246.5
RA7000 Eq.	57	75	82.0	6.1

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.