

CT Coaxial Cable



Eland Product Group: **A7E**

APPLICATION

Ideal for professional TV and CCTV system installations including digital, satellite, terrestrial and cable TV.

CONSTRUCTION

Conductor

Class 1 solid copper

Dielectric

CT100 FPE PVC: FPE (Foam Polyethylene)
CT100 FPE LSZH: FPE (Foam Polyethylene)
CT100 CPE PVC: CPE (Cell Polyethylene)
CT100 FPE PE: FPE (Foam Polyethylene)
CT100 FPE SHOTGUN: FPE (Foam Polyethylene)
CT125 FPE PVC: FPE (Foam Polyethylene)
CT125 CPE PVC: CPE (Cell Polyethylene)
CT125 FPE RBS: FPE (Foam Polyethylene)
CT167 FPE LSZH: FPE (Foam Polyethylene)
CT167 FPE PE: FPE (Foam Polyethylene)
CT233 FPE LSZH: FPE (Foam Polyethylene)

Screen

Screen 1: Copper tape longitudinally overlapped
Screen 2: CCA (Copper Clad Aluminium)

Sheath

CT100 FPE PVC: PVC (Polyvinyl Chloride)
CT100 FPE LSZH: LSZH (Low Smoke Zero Halogen)
CT100 CPE PVC: PVC (Polyvinyl Chloride)
CT100 FPE PE: PE (Polyethylene)
CT100 FPE SHOTGUN: PVC (Polyvinyl Chloride)
CT125 FPE PVC: PVC (Polyvinyl Chloride)
CT125 CPE PVC: PVC (Polyvinyl Chloride)
CT125 FPE RBS: PP (Polypropylene)
CT167 FPE LSZH: LSZH (Low Smoke Zero Halogen)
CT167 FPE PE: PE (Polyethylene)
CT233 FPE LSZH: LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

Generally to BS EN 50117-1 and A2
Coaxial cables general specification



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.

CHARACTERISTICS

Voltage Rating

30V

Temperature Rating

+70°C
Shotgun and RBS types: +60°C
CT167 FPE PE: +80°C

Sheath Colour

● Black

DIMENSIONS

ELAND PART NO.	COAXIAL CABLE	NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL OVERALL DIAMETER mm
A7ECT100FFBK	CT100 FPE PVC	1	1	4.6	6.6
A7ECT100FFLSH	CT100 FPE LSZH	1	1	4.6	6.6
A7ECT100-AIR	CT100 CPE PVC	1	1	4.8	6.8
A7ECT100FFPE	CT100 FPE PE	1	1	4.6	6.6
A7ECT100TWIN	CT100 FPE SHOTGUN	1	1	4.6	6.8 x 13.8
A7ECT125FF	CT125 FPE PVC	1	1.25	5.6	7.8
A7ECT125AIR	CT125 CPE PVC	1	1.25	5.5	7.8
A7ECT125FFDB	CT125 FPE RBS	1	1.25	5.5	9.6
A7ECT167LSZH	CT167 FPE LSZH	1	1.67	7.24	10.2
A7ECT167FFDB	CT167 FPE PE	1	1.65	7.28	10.1
A7ECT233LSZH	CT233 FPE LSZH	1	2.33	10.06	13

ELECTRICAL CHARACTERISTICS

COAXIAL CABLE	NOMINAL CAPACITANCE pf/m	IMPEDANCE ohms	VELOCITY RATIO %
CT100 FPE PVC	52	75	85
CT100 FPE LSZH	52	75	85
CT100 CPE PVC	52	75	82
CT100 FPE PE	52	75	85
CT100 FPE SHOTGUN	53.5	75	83
CT125 FPE PVC	52	75	82
CT125 CPE PVC	52	75	82
CT125 FPE RBS	52	75	83
CT167 FPE LSZH	58	75	81
CT167 FPE PE	52	75	85
CT233 FPE LSZH	52	75	80