

400Hz Airport 3-core With Control Wires Cable



Eland Product Group: F17

APPLICATION

These 3-core cables with control wires designed for 400 Hz systems for power supply of aircraft, computer systems and radar stations. They are suitable for laying in earth, in water, outdoors, indoors and in cable ducts.

CHARACTERISTICS

Rated Voltage U_o/U (Um)
0.6/1kV

Temperature Rating
Fixed: -40°C to +90°C

Minimum Bending Radius
Static: 3x Overall Diameter
Dynamic: 4x Overall Diameter

CONSTRUCTION

Conductor
Class 6 Stranded copper conductor

Insulation
XLPE (Cross-linked Ethylene Propylene Rubber)

Control Core
1mm² stranded copper conductor with XLPE insulation

Metallic Screen (Neutral Conductor)
Concentric Copper Wires

Cable Assembling
Control cores, neutral conductor and dummy elements around phase conductors

Sheath
PUR (Polyurethane) with abrasion indicators

Sheath Colour
● Yellow

DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL CROSS SECTIONAL AREA SCREEN mm ²	NO. CONTROL CORES	NOMINAL DIAMETER SINGLE CORE mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F17LV03035YW	3	35	20	8	20.5	44.1	2790
F17LV03070YW	3	70	25	8	22.2	47.8	3560

STANDARDS

VDE 0295, IEC 60228

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.

