

400Hz Airport Cables 7-core With Control Wires & Reinforcement



Eland Product Group: F25

APPLICATION

7 core cables with control wires and reinforcement are designed for 400Hz 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 U₀/U
0.6/1kV

Temperature Rating
Fixed: -20°C to +70°C

Minimum Bending Radius
Static: 4x Overall Diameter
Dynamic: 6x Overall Diameter

CONSTRUCTION

Conductor
Class 5/Class 6 Stranded bare copper

Insulation
EPR (Ethylene propylene rubber)

Control Core
1mm² stranded copper conductor with EFTE (Ethylene Tetrafluoroethylene) insulation.

Cable Assembly
6 power cores laid-up over a centre core, control cores laid-up in triads/quads in outer interstices. Each core with overall reinforcement.

Wrapping
Common core covering of wrapping and/or extruded filling compound.

Outer Sheath
PUR (Polyurethane) with integrated open meshed braid

Sheath Colour
● Orange

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™.





DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OF POWER CORE mm	NOMINAL DIAMETER OF CONTROL CORE mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F25LV07025/3BK	7 + 6	25 + (3x1)	9.6	1.8	38.3	2600
F25LV07035/3BK	7 + 6	35 + (3x1)	10.5	2.1	42.0	3100
F25LV07025/4BK	7 + 6	25 + (4x1)	9.6	1.8	42.0	2850
F25LV07035/4BK	7 + 6	35 + (4x1)	10.9	1.9	44.0	3050
F25LV07050/4BK	7 + 6	50 + (4x1)	11.8	2.1	51.0	4030