

# 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 U<sub>0</sub>/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**  
1mm<sup>2</sup> stranded copper conductor with EFTE (Ethylene Tetrafluorethylene) 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

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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