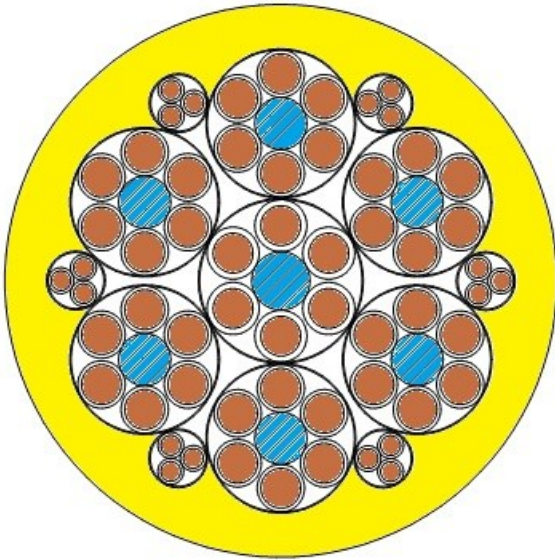


MULL'AIR 400 GOLD - 7x24mm² + 18x1mm²

LAPP MULLER'S 400 Hz Ground Power Cable Range for Aircraft

New Product



Construction

- **24 mm² power conductor:** Extra-flexible red copper
- **Core Insulation:** TPE (Thermoplastic Elastomer) insulated
- **Assembling:** Conductor with stranded wires (6x4)
- **Core identification:** White with Black Numbers 1–7
- **1mm² Control Conductor:** Extra-flexible red copper
- **Core Insulation:** TPE (Thermoplastic Elastomer) insulated
- **Assembling:** Twisted by triads under a tape
- **Core identification:** White with black numbers 1–18
- **Outer sheath:** Halogen free polyurethane
- **Sheath colour:** Yellow - Other colors are available on request

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Key features

- **Designed to withstand the extreme conditions** of airport runways and facilitate use by ground staff.
- **Innovative Construction:** Its patented design allows this cable to withstand the same amperage as a standard 7 x 35 mm² cable and exceeds that of a 7 x 25 mm² cable.
- **Lightweight and flexible:** the optimized conductor cross section reduces the weight of the cable and improves its flexibility, which facilitates the electrical connection between the ground generator and the aircraft.
- **Increased reliability:** The multi-strand core design prevents conductor breakage and extends the life of the cable.
- Assembly with standard 400Hz connectors

Technical Data

- **24 mm² Conductors:**
 - * Operating voltage: 115/200V
 - * Linear resistance : $\leq 1.11 \Omega/\text{km}$ (at 20°C)
 - * Max. Permissible temperature : 80°C (core)
 - * Current rating : 260A (at 30°C for 2 conductors)
 - * Drop Voltage : 6V max/25m/90 kVA
- **1 mm² Conductors:**
 - * Operating voltage : 250V
 - * Linear resistance: $\leq 21.5 \Omega/\text{km}$ (at 20°C)
- **Temperature range:** -20°C to +70°C
- **Minimum bending radius:**
 - * 4x cable $\varnothing$ in static use
 - * 6x cable $\varnothing$ in dynamic use
- **Properties:**
 - * UV, oil and weather resistant
 - * Good abrasion resistance
 - * Flame-retardant according IEC 60332-1

Article number	Construction	Diameter	Copper Index (Kg/m)	Weight (Kg/m)
109212	7x24mm ² +18x1mm ²	36 $\pm$ 0.8 mm	1,74	2.6



LAPP MULLER SAS • ZA du Grand Pont • 518 avenue caucadis • 83310 Grimaud • France

<https://lappmuller.lappgroup.com> • +33 (0)4 94 56 65 00 • contact.fr.lmg@lapp.com