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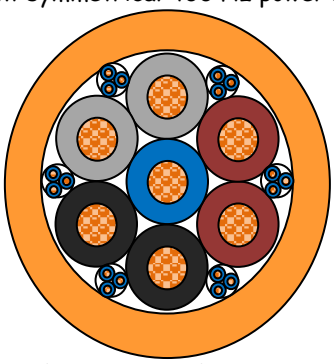
Data Sheet

K-AIRPORT PVC PVC 400 Hz 7X35 + 18x1

Description :	Increased oil-resistant symmetrical 400 Hz power supply cable with control cores.
Design:	
Construction :	Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5 (7x38x0,40 mm) - (32x0,20 mm) 7X35 PVC Insulation compound type **TI1** according to CEI 20-11 with special mechanical resistance. 18X1 PP Insulation compound 7x35 Color code: (Blue) (Grey Grey Black Black Brown Brown) 18x1 Black numbered PVC outer sheath compound type **TM5** Oil resistant according to CEI 20-11 and VDE 0207, Black. Grey or Orange. Ø 37,60±1,00 mm
Manufacturing's Controls:	Test and Control according to our certificated **ISO 9001-2015** CSQ-IMQ (EQ-NET) Quality System procedure. Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports
Norms :	Flame retardant, Test method B according to DIN VDE 0472 part 804 and IEC 60332-1 Oil-resistant according to EN 50363-4-1: TM5 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 600/1000V • Spark Test voltage : 4000 V • Electrical Resistance at 20°C < 0,554 ohm/m - < 19,500 ohm/m • Nominal Inductance at 20°C ≈ 0,300 mH/km - 0,400 mH/km • Nominal Capacitance at 20°C ≈ 216 nF/km – 70 nF/km • Nominal Impedance at 20° ≈ 36 Ω/km – 74 Ω/km • Working temperature : Occasional flexing: -5°C to +80°C Fixed installation: -40°C to +80°C • Minimum bending radius Occasional flexing: 12.5 x outer Ø Fixed installation: 4 x outer Ø
Use :	400 Hz cables are used to supply power to aircraft (on-board power), data processing systems, radar stations, radio stations, etc. For safety reasons, 400 Hz cables are used to connect data processing systems, radar systems and communications systems to uninterruptible power supplies. Such power supplies prevent a total failure of power and compensate for frequency and voltage fluctuations. Suitable for installation indoors, outdoors.

01 August 2019