

## Aircraft 400 Hz Ground Power Supply Cable, with control wires.

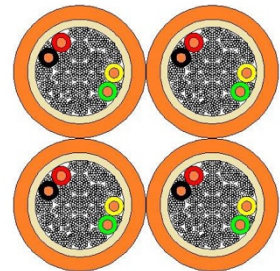
Tinned and halogen free.

Type:

SII 4x1x70 + 4x1 ft

Article:

5025-1



70 mm <sup>2</sup> , tinned, extra flexible, Conductor acc. to IEC 228,6			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, tinned	2205	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	0,264	+0,009	Ω/km
Copper weight	620	-	Kg/km
1 mm <sup>2</sup> , tinned, flexible, Conductor acc. to IEC 228,5			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, tinned	32	-	Pcs.
Wire diameter	0,19	± 0,02	mm
Resistance	19,6	+0,5	Ω/km
Copper weight	8,3	-	Kg/km

Insulation of 1mm <sup>2</sup> acc. to EN 50363-5, Halogen Free			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-25 to +90		°C
Wall thickness	0,6	+0,1	mm
Outer diameter	2,5	+0,2	mm
Color	Black, Red, Yellow, Green		

Laying up of cores and 70 mm <sup>2</sup> conductor			
Properties	Nominal value	Tolerance	Unit
Lay Length	170	±50	mm
Lapping of tape	30	±10	mm

Type:

**SII 4x1x70 + 4x1**

Inner sheath acc. to EN 50363-10,2 TPU, Halogen Free			
Properties	Nominal value	Tolerance	Unit
Material	PUR	-	-
Temperature range	-55 to +80		°C
Wall thickness	0,7	+0,5	mm
Outer diameter	15,1	+1,0	mm
Color	Neutral		

Outer sheath acc. to EN 50363-10,2, TPU, Halogen Free			
Properties	Nominal value	Tolerance	Unit
Material	PUR	-	-
Temperature range, fixed	-55 to +80		°C
Wall thickness	1,8	± 0,5	mm
Outer diameter	18,7	± 1,0	mm
Color	Orange or Yellow		

Twisting of 4 pcs. of SII 70+4X1			
Properties	Nominal value	Tolerance	Unit
Lay Length	300	±100	mm
Outer diameter of quad	46	±3,0	mm

Specific properties			
Properties	Nominal value	Unit	Standard
Voltage range	600/1000	V	
Routine voltage test, 5 min.	2.000	V	IEC 811
Type voltage test, 15 min. in water	4.000	V	IEC 811
Max. continuously current at ambient temp +30°C, per phase	207	A	VDE 0298
Permissible minimum bending radius for quad conductors.	388	mm	DIN 0298-3
Flame Properties	Pass	VW-1	UL1581
Halogen content	<400	ppm	IEC 754-1
Resistance at +20°C	0,249 ±0,01	Ω/km	
Resistance at +70°C	0,299 ±0,01	Ω/km	
Weight total	3,2	Kg/m	
Marking, ink printed	amokabel SII 70+4x1 ft		