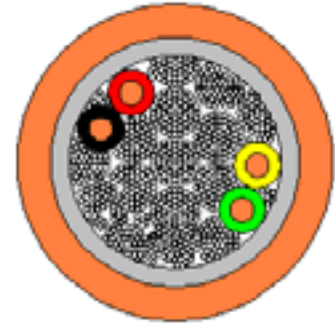


# Aircraft 400 Hz Ground Power Supply Cable, with control wires. Tinned and halogen free.



Type: SII 50+4X1  
Article: 5024

<b>50 mm<sup>2</sup>, tinned, extra flexible, Conductor acc. to IEC 228,6</b>			
Properties	Nominal value	Tolerance	Unit
Wires in conductor,tinned	1575	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	0,362	+0,009	Ω/Km
Lay length	Uni lay	150	mm
Copper weight	440	-	Kg/km
<b>1 mm<sup>2</sup>, tinned, flexible, Conductor acc. to IEC 228,5</b>			
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
Lay length	45	-	mm
Copper weight	8,3	-	Kg/km

<b>Insulation of 1mm<sup>2</sup> acc. to HD21.3, Halogen Free</b>			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-25 till +90		°C
Wall thickness	0,6	+ 0,1	mm
Outer diameter	2,5	+ 0,2	mm
Colour	Black, Red, Yellow, Green		

<b>Laying up of cores and 50 mm<sup>2</sup> conductor</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Lay Length	150	±50	mm
Lapping of tape	30	±10	mm

<b>Inner sheet acc. to HD 603 S1, TPU, Halogen Free</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Material	PUR	-	-
Temperature range	-55 till +80		°C
Wall thickness	0,7	+0,5	mm
Outer diameter	14,0	+ 1,0	mm
Colour	Natural		

<b>Outer sheet acc. to HD 603 S1, TPU, Halogen Free</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Material	PUR	-	-
Temperature range	-55 till +80		°C
Wall thickness	1,5	±0,5	mm
Outer diameter	17,0	± 1,0	mm
Colour	Orange		

<b>Specific properties</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Unit</b>	<b>Standard</b>
Voltage range	1000	V	
Type voltage test, 15 min. in water	4.000	V	DFS 400
Current rating	168	A	IEC 204-1
Overload capacity, 5 min	390	A	
Max. short-circuit current for 5 seconds	3,2	kA	
Permissible minimum bending radius.	58	mm	DIN 0298-3
Flame Properties	Pass	Vertical	IEC 332-1
Halogen content	<400	ppm	IEC 754-1
Resistance at +20°C	0,348±0,01	Ω/Km	
Resistance at +70°C	0,418±0,01	Ω/Km	
Weight, total	0,6	Kg/m	
Marking, ink printed	amokabel SII 50+4X1 ft		