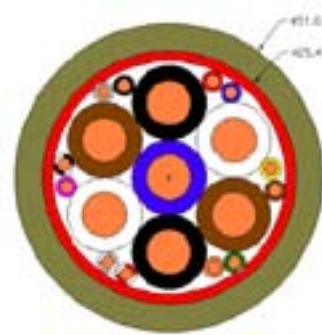


# Aircraft 400 Hz Ground Power Supply Cable for high current, with control wires.

Type: SXII 7X16+12X1  
 Article: 5039



<b>16 mm<sup>2</sup>, extra flexible, Conductor acc. to IEC 228,6</b>			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	525	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	1,205	+0,006	Ω/Km
Lay length	Rope lay	-	mm
Copper weight	140	-	Kg/km
<b>1 mm<sup>2</sup>, flexible, Conductor acc. to IEC 228,5</b>			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	32	-	Pcs.
Wire diameter	0,19	± 0,02	mm
Resistance	19,0	+0,5	Ω/Km
Lay length	45	-	mm
Copper weight	8,3	-	Kg/km

<b>Insulation of 7 x 16mm<sup>2</sup> acc. to HD 603</b>			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-45 till +90		°C
Wall thickness	1,0	+ 0,2	mm
Outer diameter	7,2	+ 0,4	mm
Colour	Lightblue, 2xBlack, 2xBrown, 2xWhite		
<b>Insulation of 1mm<sup>2</sup> acc. to HD21.3</b>			
Properties	Nominal value	Tolerance	Unit
Material	PVC 100°C	-	-
Temperature range	-40 till +100		°C
Wall thickness	0,4	+ 0,1	mm
Outer diameter	2,1	+ 0,2	mm
Colour	Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red		

<b>Laying up of cores and tape</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Lay Length	150	-50	mm
Centre core	1 x 16, Blue		
Lapping helical tape	60		mm

<b>Double Outer sheet acc. to HD 603</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Material	PUR/PUR	-	-
Temperature range	-45 till +80		°C
Wall thickness	3,6	+0,6	mm
Outer diameter	30,8	+1,2	mm
Colour	Orange/Red		

<b>Specific properties</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Unit</b>	<b>Standard</b>
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	200	A	VDE 0298
Max. continuously current at ambient temp +50°C, per phase	164	A	VDE 0298
Max. temperature for 5 sec	250	°C	
Permissible minimum bending radius.	108	mm	DIN 0298-3
Flame Properties	Pass	Vertical	IEC 332-1
Resistance 2 core at +20°C	0,523±0,01	Ω/Km	
Resistance 2 core at +70°C	0,627±0,01	Ω/Km	
Mutual capacitance	120	nF/km	
Inductance	0,094	mH/km	
Impedance	0,574	Ω/Km	
Voltage drop, $\varphi=0,8$	0,97	mV/Am	
Voltage drop, $\varphi=0,8$ , 60kW, 25m, $U_0$	3,03	V	
Weight, total	1,4	Kg/m	
Marking, ink printed	amokabel SXI 7X16+12X1		