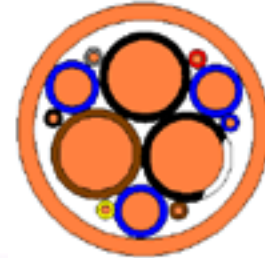


Aircraft 400 Hz Ground Power Supply Cable

Type: **SXI 3X50+3X16+6X1**



50 mm², extra flexible, Conductor acc. to IEC 60228,6			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	1500	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	0,380	+0,006	Ω/Km
Lay length	Rope lay	-	mm
Copper weight	430	-	Kg/km
16 mm², extra flexible, Conductor acc. to IEC 60228,6			
Wires in conductor, bare	483	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	1,150	+0,06	Ω/Km
Lay length	Rope lay	-	mm
Copper weight	145	-	Kg/km
1 mm², flexible, Conductor acc. to IEC 228,5			
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

Insulation of 50mm² acc. to HD 21.3			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-45 till +90		°C
Wall thickness	1,1	+ 0,2	mm
Outer diameter	12,2	+ 0,4	mm
Colour	Brown, Black, Black/white		
Insulation of 16mm² acc. to HD 21.3			
Material	XLPE 90°C	-	-
Temperature range	-45 till +90		°C
Wall thickness	1,1	+ 0,2	mm
Outer diameter	7,2	+ 0,4	mm
Colour	Lightblue		

Insulation of 1mm² acc. to HD21.3			
Properties	Nominal value	Tolerance	Unit
Material	PVC 100°C	-	-
Temperature range	-30 till +100		°C
Wall thickness	0,6	+ 0,1	mm
Outer diameter	2,5	+ 0,2	mm
Colour	Black, Grey, Red, Blue, Brown, yellow		
Laying up of cores			
Lay Length	280	-50	mm
Lapping helical tape	30		mm

Inner sheath acc. to HD 603			
Material	PUR	-	-
Temperature range	-55 till +80		°C
Wall thickness	0,50	+0,10	mm
Outer diameter	30,4	+ 0,4	mm
Colour	Natural		
Outer sheath acc. to HD 603			
Material	PUR	-	-
Temperature range	-55 till +80		°C
Wall thickness	1,8	+0,2	mm
Outer diameter	34,0	+ 0,5	mm
Colour	Orange		

Specific properties			
Properties	Nominal value	Unit	Standard
Voltage range	500	V	
Test voltage, 5 min.	2.000	V	IEC 811
Max. continuously current at ambient temp +30°C, 50mm ² core	202	A	IEC 204-1
Max. short-circuit current for 5 seconds	3,2	kA	
Permissible minimum bending radius.	102	mm	DIN 0298-3
Weight, total	2,2		Kg/m
Marking, ink printing	amokabel SXI 3x50+3X16+6x1		