

Aircraft 400 Hz Ground Power Supply Cable for Jet Fighters (F16 etc.)

Type: **SXI 4G10+4X1**



10 mm², extra flexible, Conductor acc. to IEC 60228,6			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	325	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	1,91	+0,006	Ω/Km
Lay length	< 120	-	mm
Copper weight	88,0	-	Kg/km
1 mm², flexible, Conductor acc. to IEC 60228,5			
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

Insulation of 10mm² acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-45 till +90		°C
Wall thickness	1,0	+ 0,2	mm
Outer diameter	6,4	+ 0,4	mm
Colour	Green/yellow, Black, Brown, White		
Insulation of 1mm² acc. to ISO 6722, 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, Red, Yellow, Green		

Laying up of cores and tape			
Properties	Nominal value	Tolerance	Unit
Lay Length	100	-50	mm
Centre core	Dummy ø3mm		
Lapping helical tape	30		mm

Outer sheath acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	PUR	-	-
Temperature range	-55 till +80		°C
Wall thickness	2,0	+0,5	mm
Outer diameter	19,7	+ 1,0	mm
Colour	Orange		

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	74	A	IEC 204-1
Max. temperature for 5 sec	250	°C	
Max. short-circuit current for 5 seconds	1,2	kA	
Permissible minimum bending radius.	79	mm	DIN 0298-3
Flame Properties	Pass	Vertical	IEC 332-1
Resistance +20°C	1,87±0,04	Ω/Km	
Resistance 2 core at +70°C	2,25±0,04	Ω/Km	
Weight, total	0,7	Kg/m	
Marking, ink printed	amokabel SXI 4G10+4X1		