

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

Type: **SXI 7X35+6X1,5 EMC**

35 mm², extra flexible, Conductor acc. to IEC 60228,6			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	1029	-	Pcs.
Wire diameter	0,20	± 0,02	mm
Resistance	0,546	+0,006	Ω/Km
Copper weight	305	-	Kg/km
1,5 mm², flexible, Conductor acc. to IEC 60228,5			
Wires in conductor, bare	27	-	Pcs.
Wire diameter	0,25	± 0,02	mm
Resistance	13,2	+0,01	Ω/Km
Copper weight	12,2	-	Kg/km

Insulation of 35mm² acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	-
Temperature range	-45 till +90		°C
Wall thickness	1,1	+ 0,2	mm
Outer diameter	10,5	+0,4	mm
Colour	2xBlack, 2xBrown, 2xWhite		
Insulation of 1,5mm² acc. to HD21.3			
Material	PVC 100°C	-	-
Temperature range	-30 till +100		°C
Outer diameter	2,4	+ 0,2	mm
Colour	Black, Grey, Red, Blue, Brown, Yellow		

Laying up of signal cores			
Properties	Nominal value	Tolerance	Unit
Lay Length	75	-50	mm
Construction	3x2		

Laying up of power cores and signal wires			
Lay Length	220	-50	mm
Centre core	Neutral 35mm ²		
Lapping helical tape	60		mm

Braiding with foil for EMC			
Properties	Nominal value	Tolerance	Unit
Lapping helical foil, ALU outside	30		mm
Braiding of tinned wire 24*9*0,15mm, 85% covering			
Lapping helical tape	60		mm

Outer sheath acc. to HD 603			
Material	PUR	-	-
Temperature range	-55 till +80		°C
Outer diameter	42,8	+1,0	mm
Colour	Customer choice		

Specific properties			
Properties	Nominal value	Unit	Standard
Voltage range	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	324	A	VDE 0298
Max. temperature for 5 sec	250	°C	
Permissible minimum bending radius.	152	mm	DIN 0298-3
Weight, total	2,6		Kg/m
Marking, ink printed	amokabel SXI 7X35+6X1,5 EMC		