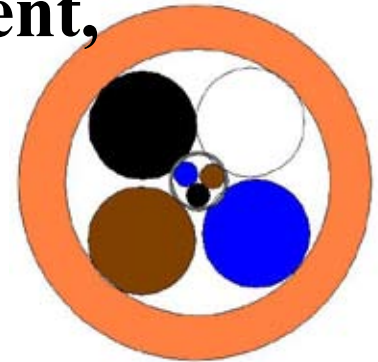


Aircraft 400 Hz Ground Power Supply Cable for high current, with control wires for Helicopters.



Type: **SXI 4X35+3X1,5 EMC**

35 mm², extra flexible, Conductor acc. to IEC 228,6			
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
Lay length	Rope lay	-	mm
Copper weight	305	-	Kg/km
1,5 mm², flexible, Conductor acc. to IEC 228,5			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	27	-	Pcs.
Wire diameter	0,25	± 0,02	mm
Resistance	13,2	+0,5	Ω/Km
Lay length	45	-	mm
Copper weight	14,4	-	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	1,2	+ 0,2	mm
Outer diameter	10,6	+ 0,4	mm
Colour	Lightblue, Black, Brown, White		
Insulation of 1,5mm² 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	2,4	+ 0,2	mm
Colour	Blue, Brown, Black		

Laying up of signal cores			
Properties	Nominal value	Tolerance	Unit
Lay Length	75	-50	mm
Construction	3*1,5		

Braiding of control wires for EMC			
Properties	Nominal value	Tolerance	Unit
Braiding of tinned wire 24*9*0,15mm, 85% covering			
Lapping helical tape	30		mm

Laying up of power cores and signal wires			
Lay Length	220	-50	mm
Centre core	Screened 3X1,5		
Lapping helical tape	60		mm

Outer sheath acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	PUR and TPE	-	-
Temperature range	-55 till +80		°C
Wall thickness	4,0	+0,5	mm
Outer diameter	34,8	+ 1,0	mm
Colour	Customer choice		

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	162	A	IEC 204-1
Max. temperature for 5 sec	250	°C	
Max. short-circuit current for 5 seconds	4,2	kA	
Permissible minimum bending radius.	190	mm	DIN 0298-3
Flame Properties	Pass	Vertical	IEC 332-1
Resistance +20°C	0,534±0,01	Ω/Km	
Weight, total	1,8	Kg/m	
Marking, ink printed	amokabel SXI 4X35+3X1,5 EMC		