

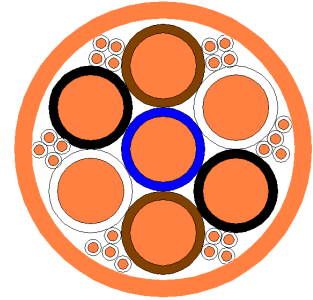
Aircraft 400 Hz Cable with control wires, Halogen free, Flame retardant

Type:

SXI 7X35+24X1

Article:

2493



35 mm ² , extra flexible, Conductor acc. to IEC 60228,5 Class 6 conductor			
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	336	-	Kg/km
1 mm ² , 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
Copper weight	8,3	-	Kg/km

Insulation of 7x35mm ² acc. to EN 50363-5			
Properties	Nominal value	Tolerance	Unit
Material	XLPE 90°C	-	
Temperature range	-45 to +90		°C
Wall thickness	1,1	+ 0,2	mm
Outer diameter	10,5	+ 0,4	mm
Color	Light Blue, 2xBlack, 2xBrown, 2xWhite		
Insulation of 1mm ² acc. to ISO 6722			
Properties	Nominal value	Tolerance	Unit
Material	PVC 100°C	-	-
Temperature range	-25 to +100		°C
Wall thickness	0,4	+ 0,1	mm
Outer diameter	2,1	+ 0,2	mm
Color	White with black numbers 1-24		

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Laying up of cores and tape			
Properties	Nominal value	Tolerance	Unit
Lay Length	280	-50	mm
Centre core	1x35, Blue		mm
Lapping helical tape	60		mm

Outer sheath acc. to EN 50363-10,2			
Properties	Nominal value	Tolerance	Unit
Material	PUR	-	-
Temperature range	-55 to +80		°C
Wall thickness	2,1	+ 0,2	mm
Outer diameter	36,5	+ 1,0	mm
Color	Orange		

Specific properties				
Properties	Nominal value	Unit	Standard	
Voltage range	0,6/1	kV		
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	IEC 204-1	
Max. temperature for 5 sec	250	°C		
Max. short-circuit current for 5 seconds	4,2	kA		
Permissible minimum bending radius	114	mm	DIN 0298-3	
Flame properties	Pass	Vertical	IEC 332-1	
Resistance 2 core at +20°C	0,267±0,01	Ω/Km		
Resistance 2 core at +70°C	0,320±0,01	Ω/Km		
Mutual capacitance	120	nF/km		
Inductance	0,093	mH/km		
Impedance	0,357	Ω/Km		
Voltage drop, φ=0,8	0,61	mV/Am		
Voltage drop, φ=0,8, 90kW, 25meter, U ₀	2,87	V		
Weight total	3,0	Kg/m		
Marking, ink printed	amokabel SXI 7X35+24X1			