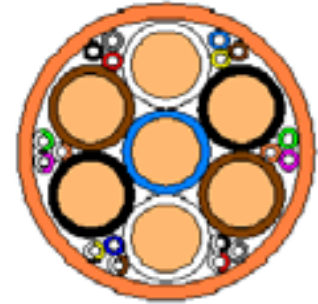


Aircraft 400 Hz Cable for fixed installation



Type: **RKK 7X35+18X1**
Article:

35 mm² Conductor acc. to IEC 228,5			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	266	-	Pcs.
Wire diameter	0,4	± 0,04	mm
Resistance	0,554	+0,006	Ω/Km
Lay length	140	-	mm
Copper weight	315	-	Kg/km
1 mm², flexible, Conductor acc. to IEC 228,5			
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 35mm² acc. to ISO 6722			
Properties	Nominal value	Tolerance	Unit
Material	PVC 70°C	-	-
Temperature range	-25 till +70		°C
Wall thickness	1,2	+ 0,2	mm
Outer diameter	10,6	+ 0,4	mm
Colour	Customer's choice		
Insulation of 1mm² acc. to HD21.3			
Properties	Nominal value	Tolerance	Unit
Material	PVC 90°C	-	-
Temperature range	-25 till +90		°C
Wall thickness	0,4	+ 0,1	mm
Outer diameter	2,1	+ 0,2	mm
Colour	Black, Grey, Red, Blue, Brown, Yellow, Green, Orange, Pink, White/Black, White/Grey, White/Red, White/Blue, White/Brown, White/Yellow, White/Green, White/Orange, White/Pink		

Laying up of cores and tape			
Properties	Nominal value	Tolerance	Unit
Lay Length	280	-50	mm
Centre core	1 x 35, Blue		
Lapping helical tape	60		mm

Outer sheet acc. to ISO 6722			
Properties	Nominal value	Tolerance	Unit
Material	PVC 70°C	-	-
Temperature range	-30 till +70		°C
Wall thickness	2,0	+0,5	mm
Outer diameter	35,8	+ 1,0	mm
Colour	Customer's 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	270	A	IEC 204-1
Max. short-circuit current for 5 seconds	4,2	kA	
Permissible minimum bending radius fixed inst.	125	mm	DIN 0298-3
Flame Properties	Pass	VW-1	UL1581
Flame Properties	Pass	Vertical	IEC 60332-1
Flame Properties	Pass	Part 804 B	VDE 0472
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	0,095	mH/km	
Impedance	0,239	Ω/Km	
Voltage drop, $\varphi=0,8$	0,62	mV/Am	
Voltage drop, $\varphi=0,8$, 90kW, 25meter, U_0	2,89	V	
Weight, total	2,9	Kg/m	
Marking, ink printed	amokabel RKK 7X35+18X1		