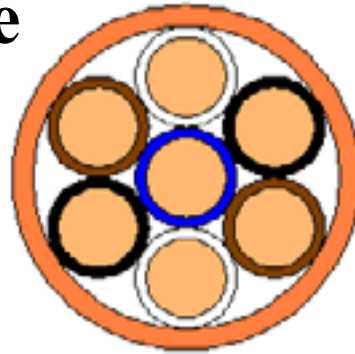


# Aircraft 400 Hz Cable for fixed installation

Type: **RKK 7X35**  
Article: **2111**



<b>35 mm<sup>2</sup> Conductor acc. to IEC 60228,5</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Wires in conductor, bare	266	-	Pcs.
Wire diameter	0,4	± 0,04	mm
Resistance at +20°C	0,534	+0,02	Ω/Km
Lay length	140	-	mm
Copper weight	315	-	Kg/km

<b>Insulation of 35mm<sup>2</sup> acc. to ISO 6722</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
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	Lightblue, 2xBlack, 2xBrown, 2xWhite		

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

<b>Outer sheet acc. to HD 603</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Tolerance</b>	<b>Unit</b>
Material	PVC 70°C	-	-
Temperature range	-30 till +70		°C
Wall thickness	1,8	+0,5	mm
Outer diameter	36,0	+ 1,0	mm
Colour	Customer's choice		

<b>Specific properties</b>			
<b>Properties</b>	<b>Nominal value</b>	<b>Unit</b>	<b>Standard</b>
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 332-1
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	2,8	Kg/m	
Marking, ink printed	amokabel RKK 7X35		