

Data Sheet for Halogen-free 400 Hz cable for fixed installation

Type: **RXLJ 7X35**
 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

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, 2xBlack, 2xBrown, 2xWhite		

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

Inner jacked acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	PE 70°C	-	-
Temperature range	-45 till +70		°C
Wall thickness	1,2	+0,5	mm
Outer diameter	34,2	+ 1,0	mm
Colour	Natural		

Concentric conductor, 35mm²			
Properties	Nominal value	Tolerance	Unit
Copper wires	14*1,78		mm
Lapping tape	30		mm

Outer sheet acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	PE 70°C	-	-
Temperature range	-30 till +70		°C
Wall thickness	2,1	+0,5	mm
Outer diameter	41,9	+ 1,0	mm
Colour	Black		

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	270	A	IEC 204-1
Max. short-circuit current for 5 seconds	4,2	kA	
Permissible minimum bending radius.	420	mm	DIN 0298-3
Halogen content	<400	ppm	IEC 754-1
Resistance	0,258	Ω/km	
Reactance	0,237	Ω/km	
Impedance	0,350	Ω/km	
Weight	3,3	Kg/km	