

LiY(st)Y darkblue 2x0,22+ 2x1 mm<sup>2</sup> NOXKABELECA

### CONTROL Cable

For standard applications, flame retardant.

Multi-Core, PVC-Insulation, Collective Screen, PVC Shore A-Sheath

EN 50575:2016 CPR Class Eca

PVC/CAM/PVC

#### Application

These cables are used for power supply and control signal transmission in mechanical engineering for tooling machinery, for production lines and transport equipment, as well as in industrial installations. They meet the requirements of the EEC directive concerning electromagnetic compatibility (EMC), and ensure interference-free transmission providing protection against external pulses.

#### Construction

2x1 mm<sup>2</sup>

		Unit	Nominal Value
Formation	2 Cores		
Section	1 mm <sup>2</sup>		
Conductor	Plain annealed copper wire, multistrand	mm	1,2
Insulation	Polyvinyl chloride - PVC	mm	2,0
Colour Code	Black, Red		

#### Construction

2x0,22 mm<sup>2</sup>

		Unit	Nominal Value
Formation	2 Cores		
Section	0,22 mm <sup>2</sup>		
Conductor	Plain annealed copper wire, 7 strand	mm	0,6
Insulation	Polyvinyl chloride - PVC	mm	1,0
Colour Code	White, Green		
Individual Screen	N.A.		
Wrapping	N.A.		
Collective Screen	Aluminium tape + tinned copper drain wire		

#### Construction

2x1 + 2x0,22 mm<sup>2</sup>

Wrapping	N.A.		
Collective Screen	Aluminium tape		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Polyvinyl chloride - PVC - Blue RAL 5010	mm	6,6
Cable Printing	LiY(St)Y 2X1,0 + 2x0,22 mm <sup>2</sup> - 300/500V - VDE 0812 - IEC 60332-1 - EN 50575: 2014+A1:2016 CPR Class Eca + BATCH + METER MARKING		

#### Technical Data & Standard References

Fire Propagation:

- Test on single cable	IEC 60332-1	CPR Class	Eca	EN 50575:2016
- Test on bunched cables	IEC 60332-3	Construction Reference Standard:		VDE 0812
		Type of Cable:		Control Cable
		Low Voltage Directive		2014/35/UE

Limiting Oxygen Index (LOI)


(min 30%)

Other References:

Smoke Density	IEC 61034	- IEC 60228
Amount of halogen acid gas	IEC 60754-1 (max 15%)	- IEC 60332-1
Acidity (ph value) and conductivity	IEC 60754-2	- IEC 60332-3-24
		- NF C 32-020

Notes

#### Electrical & Mechanical Data

Conductor Cross-section	Nom.	0,22 mm <sup>2</sup>	Temperature Range:		
DC Resistance per core at 20° C	max	Ω/km	93,6	During Installation	° C -5° C up to +50° C
Conductor Cross-section	Nom.	1 mm <sup>2</sup>	Fixed Installation	° C	-30° C up to +80° C
DC Resistance per core at 20° C	max	Ω/km	20,3	Insulation Operation	° C -30° C up to +80° C
Insulation Resistance at 20° C	min	MΩ*km	25	Min. Bending Radius	mm 8 x cable diameter
Mutual Capacitance	max	nF/km	250	Max Pulling Tension	N/mm <sup>2</sup> 19
Inductance	max	mH/km	1	Weight Approx	kg/km 65
Test Voltage - Core/Core	V	2000			
Test Voltage - Core/Screen	V	2000			
L/R Ratio	max	μH/Ω	25		
Operating Voltage	V	300/500			