

LiH(st)H darkblue 2x0,22+ 2x1 mm² NOXKABELB2CA

CONTROL Cable

For standard applications, low smoke, Halogen Free

EN 50575:2016 CPR Class B2ca

Multi-Core, LSZH-Insulation, Collective Screen, LSZH-Sheath

LSZH/CAM/LSZH

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 mm²

Formation	2 Cores	Unit	Nominal Value
Section	1 mm ²		
Conductor	Plain annealed copper wire, multistrand	mm	1,2
Insulation	Thermoplastic Low Smoke, Halogen Free - LSZH	mm	2,0
Colour Code	Black, Red		

Construction

2x0,22 mm²

Formation	2 Cores	Unit	Nominal Value
Section	0,22 mm ²		
Conductor	Plain annealed copper wire, 7 strand	mm	0,6
Insulation	Thermoplastic Low Smoke, Halogen Free - LSZH	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 mm²

Wrapping	N.A.		
Collective Screen	Aluminium tape		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH - Blue RAL 5010	mm	6,6
Cable Printing	LiH(St)H 2X1,0 + 2x0,22 mm ² - 300/500V - VDE 0812 - IEC 60332-1 - EN 50575: 2014+A1:2016 CPR Class B2ca + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:

- Test on single cable	IEC 60332-1	CPR Class B2ca	EN 50575:2016
- Test on bunched cables	IEC 60332-3	Construction Reference Standard:	VDE 0812


Limiting Oxygen Index (LOI)	(min 37%)
Smoke Density	IEC 61034
Amount of halogen acid gas	IEC 60754-1 (max 0,5%)
Acidity (ph value) and conductivity	IEC 60754-2

Type of Cable: Control Cable
Low Voltage Directive 2014/35/UE

Other References:
- IEC 60228
- IEC 60332-1
- IEC 60332-3-24
- NF C 32-020

Notes

Electrical & Mechanical Data

Conductor Cross-section	Nom.	0,22 mm ²	Temperature Range:		
DC Resistance per core at 20° C	max Ω/km	93,6	During Installation		° C
Conductor Cross-section	Nom.	1 mm ²	Fixed Installation	° C	-40° C up to +75° C
DC Resistance per core at 20° C	max Ω/km	20,3	Insulation Operation	° C	-40° C up to +75° 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 ²	19
Inductance	max mH/km	1	Weight Approx	kg/km	67
Test Voltage - Core/Core	V	2000			
Test Voltage - Core/Screen	V	2000			
L/R Ratio	max μH/Ω	25			
Operating Voltage	V	300/500			