

Technical Data

EQB CABLE

Document Reference

21/00314

For standard applications, low smoke, Halogen Free

EN 50575:2016 CPR Class Cca

Multi-Pair, PE-Insulation, Double Collective Screen, LSZH-Sheath

Code: MAR0208HBYDX-T-BA

PE/AI-TCWB/LSZH

Application

Multi Conductor Cable

Construction

2x2x24AWG

		Unit	Nominal Value
Formation	2 Pairs		
Section	24AWG		
Conductor	Tinned copper wire, 7 strand	mm	0,6
Insulation	Polyethylene - PE	mm	1,7
Colour Code	White/Blue, Blue/White, White/Orange, Orange/White		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape 0,023 mm		
Collective Screen	Aluminium / PETP + Tinned Copper Braid		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH - Grey RAL 7001	mm	8,2
Cable Printing	9842NH - 2x2x24AWG - 300V - EN 50575: 2014+A1:2016 CPR Class Cca + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:			
- Test on single cable	IEC 60332-1	CPR Class Cca	EN 50575:2016
- Test on bunched cables	IEC 60332-3		
Limiting Oxygen Index (LOI)	(min 37%)	Type of Cable:	Multi Conductor Cable
Smoke Density	IEC 61034	Low Voltage Directive	2014/35/UE
Amount of halogen acid gas	IEC 60754-1 (max 0,5%)	Other References:	
Acidity (ph value) and conductivity	IEC 60754-2		
Notes			

Electrical & Mechanical Data

Conductor Cross-section	Nom.	24AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /km	87,6	During Installation	° C -5° C up to +50° C
Insulation Resistance at 20° C	min $M\Omega$ *km	1000	Fixed Installation	° C -30° C up to +75° C
Mutual Capacitance	max nF/km	115	Insulation Operation	° C -30° C up to +90° C
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2 40
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 76
L/R Ratio	max $\mu H/\Omega$	25		
Operating Voltage	V	300		



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