

Technical Data

EQB CABLE

Document Reference

17/02298

For standard applications, low smoke, Halogen Free

EN 50575:2016 CPR Class Eca

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

Code: MAR0208HBEDX-T-BA

PE/AI-TCWB/LSZH

Application

These cables are designed to connect electronic instrumentation, analog and digital signal circuits. This cable does not spread flame to the top of the tray in the Vertical-Tray Flame Test in UL 1685.

Construction		2x2x24AWG	
Formation	2 Pairs	Unit	Nominal Value
Section	24AWG		
Conductor	Tinned copper wire, 7 strand	mm	0,6
Insulation	Polyethylene - PE	mm	1,7
Colour Code	White, Blue, White, Orange		
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	8,0
Cable Printing	CE 2017 - 9842/LSZH - EN50575: 2014+A1:2016 CPR CLASS Eca+ batch n° + meter marking		

Technical Data & Standard References

Fire Propagation:		CPR Class	Eca	EN 50575:2016
- Test on single cable	IEC 60332-1	Type of Cable:		EQB CABLE
- Test on bunched cables	IEC 60332-3	Low Voltage Directive		2014/35/UE
- Vertical Tray Flame Test	UL1685	Other References:		
Limiting Oxygen Index (LOI)	(min 37%)	- NEC code, sec. 725 PLTC,		
Smoke Density	IEC 61034	- NEC code, sec. 727 ITC,		
Amount of halogen acid gas	IEC 60754-1 (max 0,5%)	- UL 1685		
Acidity (ph value) and conductivity	IEC 60754-2	- ASTM D 1239		
Sunlight resistance	UL 1581 section 1200	- NF C 32-020		
Notes		- IRAM IAP		

Electrical & Mechanical Data

Conductor Cross-section	Nom.	24AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω/km	85,9	During Operation	° C -30° C up to +90° C
Insulation Resistance at 20° C	min MΩ*km	5000	During Installation	° C -5° C up to +50° C
Mutual Capacitance	max pF/m	100	Min. Bending Radius	mm 8 x cable diameter
Inductance	max mH/km	1	Max Pulling Tension	N/mm2 40
Test Voltage - Core/Core	V	2000	Weight Approx	kg/km 43
Test Voltage - Core/Screen	V	2000		
L/R Ratio	max µH/Ω	25		
Operating Voltage	V	300		
Impedance	Ω	100 +/- 30		

