

Technical Data

Document Reference

H1865

**EQB
Cables**

EN 50575:2016 CPR Class Eca

Batt PN 91420

For standard applications, low smoke, Halogen Free

Single-Pair, PE-Insulation, Collective Screen + TCWB, LSZH-Sheath

MAR0108HBEDX-T-BA

PE/CAM+TCWB/LSZH

Application

Low Capacitance Computer Cable for EIA RS-485 Applications


Construction

		Unit	Nominal Value
Formation	1 Pair		
Section	24awg		
Conductor	Tinned copper wire, 7 strand	mm	0,6
Insulation	Polyetilene - PE	mm	1,7
Colour Code	White/Blue, Blue/White		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape 0,023 mm		
Collective Screen	0,026 mm Aluminium / PETP tape over tinned copper drain wire + Tinned Copper Wire Braid		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH - Grey	mm	5,9
Cable Printing	pr 24AWG - 9841/LSZH - EN50575:2014+A1:2016 CPR CLASS Eca + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:			
- Test on single cable	IEC 60332-1	Type of Cable: Low Voltage Directive	EQB CABLES 2014/35/UE
- Test on bunched cables	IEC 60332-3		
- Vertical Tray Flame Test	UL1685		
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		
Sunlight resistance	UL 1581 section 1200		
Notes			

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	nF/km	150		
Inductance	max	mH/km	1	Min. Bending Radius	mm 10 x cable diameter
Test Voltage - Core/Core	V		2000		
Test Voltage - Core/Screen	V		2000		
L/R Ratio	max	μH/Ω	25		
Operating Voltage	V		300/500		

