



Technical Data

Document Reference

25/00000

R1254

RAMCRO - BMS-PVC-BC-Screened Cable

For standard applications, flame retardant.

Multicore, PP-Insulation, Collective Screened, PVC-Sheath

SAS0803HBAXX-RB

Application

PVC sheathed multi-conductor cables are suitable for Building Management Systems (BMS), Sound, Audio, Security, Safety, Control and Instrumentation.

Construction

		Unit	Nominal Value
Formation	8 Cores		
Section	16 AWG		
Conductor	Plain annealed copper wire, Multistrand	mm	1.5
Insulation	Polyolefine	mm	1.9
Colour Code	Black, Red, White, Green, Brown, Blue, Orange, Yellow		
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		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Polyvinyl chloride - PVC - Grey RAL 7001	mm	7.5
Cable Printing	RAMCRO ITALY R1254 AUDIO CONTROL & INSTRUMENTATION CABLE 8C 16AWG SCREENED PVC 300 V 75 C IEC 60332-1/UL 1581 - SAS0803HBAXX-RB - "PROD.WEEK/20" + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:		
- Test on single cable	IEC 60332-1	
- Test on bunched cables	IEC 60332-3	
Limiting Oxygen Index (LOI)	(min 30%)	
Smoke Density	IEC 61034	
Amount of halogen acid gas	IEC 60754-1 (max 15%)	
Acidity (ph value) and conductivity	IEC 60754-2	
Sunlight resistance	UL 1581 section 1200	
Notes		
Type of Cable:	BMS-PVC-BC-Screened Cable	
Low Voltage Directive	2014/35/UE	
Other References:		

Electrical & Mechanical Data

Conductor Cross-section	Nom.	16 AWG	Temperature Range:	
DC Resistance per core at 20° C	max	Ω/km	During Operation	° C -30°C up to 80°C
Insulation Resistance at 20° C	min	MΩ*km	During Installation	° C -30°C up to 80°C
Nominal Mutual Capacitance	max	pF/m		
Inductance	max	mH/km	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N 462
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 138
Operating Voltage	V	300	Put up length	mt 305



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