



Technical Data

Document Reference
Data Sheet

R15200FE

RAMCRO - BMS-PVC-BC-Screened Cable For standard applications, flame retardant.

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

SAS0203HBAXH-RB

Application

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

Construction

Formation	2 Cores	Unit	Nominal Value
Section	16 AWG		
Conductor	Plain annealed copper wire, Multistrand	mm	1,5
Insulation	Polypropylene - PP	mm	1,9
Colour Code	Black, Red		
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	4,7
Cable Printing	RAMCRO ITALY - R15200FE AUDIO CONTROL & INSTRUMENTATION CABLE 2C 16AWG SCREENED PVC 300 V 75 C IEC 60332-1/UL1581 - SAS0203HBAXH-RB-CH - " prod. week/22" + batch + metric		

Technical Data & Standard References

Fire Propagation:		Type of Cable:	BMS-PVC-BC-Screened Cable
- Test on single cable	IEC 60332-1	Low Voltage Directive	2014/35/UE
- Test on bunched cables	IEC 60332-3	Other References:	
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			

Electrical & Mechanical Data

Conductor Cross-section	Nom.	16 AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /km	15,47	During Operation	° C -30°C up to 80°C
Insulation Resistance at 20° C	min $M\Omega$ *km	1000	During Installation	° C -30°C up to 80°C
Nominal Mutual Capacitance	max pF/m	105		
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2 116
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 40
Operating Voltage	V	300	Put up length	mt 305



Issued by: RAMCRO S.p.A.



Date of issue:

Prepared by RAMCRO Tech

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24/01/2019 00:00

Creator: LDG

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