



Technical Data

Document Reference
Data Sheet

R1013AR

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

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

SAS0205ABAXH-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	2 Cores		
Section	18 AWG		
Conductor	Plain annealed copper wire, 7 strand	mm	1,1
Insulation	Polypropylene - PP	mm	1,5
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	Polyvinyl chloride - PVC	mm	4,0
Armour	Galvanized Steel Wire Armoured	mm	5,8
Outer Sheath	Polyvinyl chloride - PVC - Grey RAL 7001	mm	8,2
Cable Printing	RAMCRO ITALY R1013AR AUDIO CONTROL & INSTRUMENTATION CABLE 2C 18AWG SCREENED ARMouredPVC 300 V 75 C IEC 60332-1/UL 1581 - SAS0205HBAXH-RB- "PROD.WEEK/19" + BATCH + METER MARKING		

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.	18 AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /km	22,7	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	95		
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2 78
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 60
Operating Voltage	V	300	Put up length	mt 305

Issued by: RAMCRO S.p.A.

Prepared by RAMCRO Tech

Creator: LDG

Via Marzorati, 15 - 20014 Nerviano - Milan - Italy / www.ramcro.it

Transfer to third parties only under authorization by Ramcro S.p.A.

Printing errors excepted. Subject to alterations.



Date of issue:

23/10/2019 00:00

Empty Form