Technical Data

Document Reference
Data Sheet

R1016

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

Multicore, PP-Insulation, UnScreened, PVC-Sheath

SSS0305HBAXX-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	3 Cores		
Section	18 AWG		
Conductor	Plain annealed copper wire, 7 strand	mm	1,1
Insulation	Polypropylene - PP	mm	1,5
Colour Code	Black, Red, White		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape 0,023 mm		
Collective Screen	N.A.		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Polyvinyl chloride - PVC - Grey RAL 7001	mm	4,6
Cable Printing	RAMCRO ITALY R1016 AUDIO CONTROL & INSTRUMENTATION CABLE 3C 18AWG UNSCREENED PVC 300 V 75 C IEC 60332-1/UL 1581 - SSS0305HBAXX-RB - "PROD.WEEK/18" + 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-UnScreened Cable
Low Voltage Directive	2014/35/UE
Other References:	

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 MΩ*km	1000	During Installation	° C	-30°C up to 80°C
Nominal Mutual Capacitance	max pF/m	55			
Inductance	max mH/km	1	Min. Bending Radius	mm	8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2	117
Test Voltage - Core/Screen	V	N.A.	Weight Approx	kg/km	36
Operating Voltage	V	300	Put up length	mt	305