

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

Multicore, PO-Insulation, Collective Screened, LSZH/FRNC-Sheath

SAS0403HXEDX-RB

### Application

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


### Construction

Formation	4 Cores	Unit	Nominal Value
Section	16 AWG		
Conductor	Plain annealed copper wire, Multistrand	mm	1,5
Insulation	Polyolephine	mm	1,9
Colour Code	Black, Red, White, Green		
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	Thermoplastic Low Smoke, Halogen Free - LSZH (FRNC) - Purple RAL 4005	mm	5,4
Cable Printing	RAMCRO ITALY R1715 AUDIO CONTROL & INSTRUMENTATION CABLE 4C 16AWG UNSCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SAS0403HXEDX-RB - "PROD.WEEK/18" + BATCH + METER MARKING		

### Technical Data & Standard References

Fire Propagation:		Type of Cable:	BMS-HFFR-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 37%)		
Smoke Density	IEC 61034		
Amount of halogen acid gas	ZERO		
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	MΩ*km	25	During Installation	° C -30°C up to 80°C
Nominal Mutual Capacitance	max	pF/m	165	Min. Bending Radius	mm 8 x cable diameter
Inductance	max	mH/km	1	Max Pulling Tension	N/mm2 231
Test Voltage - Core/Core	V	2000	Weight Approx	kg/km	68
Test Voltage - Core/Screen	V	2000	Put up length	mt	305
Operating Voltage	V	300			

Issued by: RAMCRO S.p.A.



Date of issue:

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20/05/2019 00:00

Creator: LDG

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