

## RAMCRO - BMS-HFFR-BC-Screened Cable

For standard applications, flame retardant.

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

SAS0305HXEDX-RB

### Application

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


### Construction

Formation	3 Cores	Unit	Nominal Value
Section	18 AWG		
Conductor	Plain annealed copper wire, 7 strand	mm	1,1
Insulation	Polyolephine	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	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	4,2
Cable Printing	RAMCRO ITALY R1723 AUDIO CONTROL & INSTRUMENTATION CABLE 3C 18AWG UNSCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SAS0305HXEDX-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	IEC 60754-1 (max 0,5%)		
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 $\Omega$ /km	22,7	During Operation	° C	-30°C up to 80°C
Insulation Resistance at 20° C	min $M\Omega$ *km	25	During Installation	° C	-30°C up to 80°C
Nominal Mutual Capacitance	max pF/m	150	Min. Bending Radius	mm	8 x cable diameter
Inductance	max mH/km	1	Max Pulling Tension	N/mm2	117
Test Voltage - Core/Core	V	2000	Weight Approx	kg/km	39
Test Voltage - Core/Screen	V	2000	Put up length	mt	305
Operating Voltage	V	300			

Issued by: RAMCRO S.p.A.



Date of issue:

Prepared by RAMCRO Tech

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

24/06/2019 00:00

Creator: LDG

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

Empty Form

Printing errors excepted. Subject to alterations.