



Technical Data

Document Reference

25/00120

R1709

RAMCRO - BMS-HFFR-BC-Screened Cable

For standard applications, flame retardant.

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

SAS0801HXEDX-RB

Application

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

Construction

		Unit	Nominal Value
Formation	8 Cores		
Section	14 AWG		
Conductor	Plain annealed copper wire, Multistrand	mm	1.8
Insulation	Polyolefine	mm	2.3
Colour Code	Black, Red, White, Green, Brown, Blue, Orange, Yellow		
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	Polyolefine - Purple RAL 4005	mm	9
Cable Printing	RAMCRO ITALY R1709 AUDIO CONTROL & INSTRUMENTATION CABLE 8C 14AWG SCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SAS0801HXEDX-RB -"PROD.WEEK/20" + 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.	14 AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /km	9.36	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	173		
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N 578
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 162
Operating Voltage	V	300	Put up length	mt 305



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