Technical Data

Document Reference
25/00000

R1710

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

Multicore, PO-Insulation, UnScreened, LSZH/FRNC-Sheath

SSS0801HXEDX-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	N.A.		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH (FRNC) - Purple RAL 4005	mm	9
Cable Printing	RAMCRO ITALY R1710 AUDIO CONTROL & INSTRUMENTATION CABLE 8C 14AWG UNSCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SSS0801HXEDX-RB - "PROD.WEEK/20" + 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 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	

Type of Cable:	BMS-HFFR-BC-UnScreened Cable
Low Voltage Directive	2014/35/UE
Other References:	

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 MΩ*km	25	During Installation	° C	-30°C up to 80°C
Nominal Mutual Capacitance	max pF/m	80			
Inductance	max mH/km	1	Min. Bending Radius	mm	8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N	771
Test Voltage - Core/Screen	V	N.A.	Weight Approx	kg/km	210
Operating Voltage	V	300	Put up length	mt	305