Technical Data

Document Reference
25/00000

R1720

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

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

SSS0803HXEDX-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	16 AWG		
Conductor	Plain annealed copper wire, Multistrand	mm	1.5
Insulation	Polyolefine	mm	1.9
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	7.4
Cable Printing	RAMCRO ITALY R1720 AUDIO CONTROL & INSTRUMENTATION CABLE 8C 16AWG UNSCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SSS0803HXEDX-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.	16 AWG
DC Resistance per core at 20° C	max Ω/km	15.47
Insulation Resistance at 20° C	min MΩ*km	25
Nominal Mutual Capacitance	max pF/m	75
Inductance	max mH/km	1
Test Voltage - Core/Core	V	2000
Test Voltage - Core/Screen	V	N.A.
Operating Voltage	V	300

Temperature Range:		
During Operation	° C	-30°C up to 80°C
During Installation	° C	-30°C up to 80°C
Min. Bending Radius	mm	8 x cable diameter
Max Pulling Tension	N	462
Weight Approx	kg/km	133
Put up length	mt	305