

RAMCRO - BMS-HFFR-BC-UnScreened Cable

For standard applications, flame retardant.

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

SSS0305HXEDX-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	3 Cores		
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	N.A.		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Thermoplastic Low Smoke, Halogen Free - LSZH (FRNC) - Purple RAL 4005	mm	4,6
Cable Printing	RAMCRO ITALY R1724 AUDIO CONTROL & INSTRUMENTATION CABLE 3C 18AWG UNSCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 - SSS0305HXEDX-RB - "PROD.WEEK/18" + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:

- Test on single cable	IEC 60332-1
- Test on bunched cables	IEC 60332-3

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

Smoke Density	IEC 61034
Amount of halogen acc. to IEC 60754-1 & EN 50267-1	ZERO
Acidity (ph value) and conductivity	IEC 60754-2
Sunlight resistance	UL 1581 section 1200
Notes	

Other References:

Electrical & Mechanical Data

Conductor Cross-section	Nom.	18 AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /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	70		
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2 117
Test Voltage - Core/Screen	V	N.A.	Weight Approx	kg/km 36
Operating Voltage	V	300	Put up length	mt 305

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