



Technical Data

Document Reference

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R1727

RAMCRO - BMS-HFFR-BC-Screened Cable

For standard applications, flame retardant.

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

SAS0605HXEDX-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	6 Cores		
Section	18 AWG		
Conductor	Plain annealed copper wire, 7 strand	mm	1,1
Insulation	Polyolephine	mm	1,5
Colour Code	Black, Red, White, Green, Brown, Blue		
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	5,8
Cable Printing	RAMCRO ITALY R1727 AUDIO CONTROL & INSTRUMENTATION CABLE 6C 18AWG SCREENED LSZH (FRNC) 300 V 75 C IEC 60332-1/UL 1581 -SAS0605HXEDX-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.	18 AWG	Temperature Range:	
DC Resistance per core at 20° C	max Ω /km	23,8	During Operation	° C -30°C up to 80°C
Insulation Resistance at 20° C	min $M\Omega$ *km	1000	During Installation	° C -30°C up to 80°C
Nominal Mutual Capacitance	max pF/m	140		
Inductance	max mH/km	1	Min. Bending Radius	mm 8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2 158
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 67
Operating Voltage	V	300	Put up length	mt 305

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