

Technical Data

Document Reference
Data Sheet



Ramcro Cable

For standard applications, flame retardant, Oil resistant

Multi-Core, PVC HT 105-Insulation, Collective Screen, PVC Oil Res.-Sheath

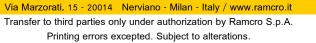
SAS0905HBACX-T-UL	PVC HT 105/CAM/PVC Oil Res.
Application	

These cables are designed to connect electronic instrumentation, analog and digital signal circuits. This cable does not spread flame to the top of the tray in the Vertical-Tray Flame Test in UL 1685.

Construction	9x18AWG						
				1		Nomina	
Formation		9 Cores			Unit	Value	
Section	18AWG						
Conductor		Tinned copper wire, 7 strand			mm	1,2	
Insulation		Hi Temperature Polyvinylchloride - PVC HT 105°C		mm	2,0		
Colour Code	Black, White, Re	ed, Green, Bi	rown, Blue, Orange, Yellow, I	Jurple			
Individual Screen	N.A.						
Wrapping	at least 1 layer o						
Collective Screen	0,026 mm Alumi	0,026 mm Aluminium / PETP tape over tinned copper drain wire					
Inner Sheath	N.A.						
Armour	N.A.	N.A.					
Outer Sheath		Polyvinyl chloride - PVC, Oil Resistant - Grey RAL 7001			mm	9,6	
Cable Printing	RAMCRO ITALY TYPE TC - 9x18AWG CU CL2/PVC/CAM/PVC 600V MIL						
Fire Propagation: - Test on single cable	IEC 60	332-1					
- Test on single cable - Test on bunched cables	IEC 60332-1 IEC 60332-3		Construction Reference St	andard:	UL	1277	
			Type of Cable:		TC	Cables	
- Vertical Tray Flame Test	UL16	UL1685		Low Voltage Directive		2014/35/UE	
Limiting Oxygen Index (LOI)	(min 3	30%)	Other References:				
Smoke Density	IEC 6	1034	- NEC code, sec. 725 PLTC,				
Amount of halogen acid gas	IEC 60754-1 (max 15%)		- NEC code, sec. 727 ITC,				
Acidity (ph value) and conductivity	IEC 60	. ,	- UL 1685				
Sunlight resistance	UL 1581 section 1200		- ASTM D 1239 - NF C 32-020				
Notes	- IRAM IAP						
Electrical & Mechanical Data							
Conductor Cross-section	Nom.	18AWG	Temperature Range:	Ĥ+			
DC Resistance per core at 20° C	max Ω/km	21,4	During Operation	↓ - ° C	-30° C up	o to +105°C	

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DC Resistance per core at 20° C	max Ω/km	21,4	During Operation	l − °c	-30° C up to +105°C
Insulation Resistance at 20° C	min MΩ*km	25	During Installation	°C	-5° C up to +50°C
Mutual Capacitance	max nF/km	250			
Inductance	max mH/km	1	Min. Bending Radius	mm	10 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2	367
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	150
L/R Ratio	max μH/Ω	40			
Operating Voltage	V	600			

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