

## **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

SAS0606HBACX-T-UL	PVC HT 105/CAM/PVC Oil Res.
Application	

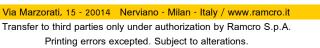
These cables are designed to connect electronic instrumentation, analog and digital signal circuits. This cable does not spread flame to the top of the tray in the Vertical-Tray Flame Test in UL 1685.

Construction	6x20AWG					
				Nominal		
Formation	6 Cores	6 Cores				
Section	20AWG	20AWG				
Conductor	Tinned copper wire, 7 strand	mm	0,9			
Insulation	Hi Temperature Polyvinylchlor	mm	1,5			
Colour Code	Black, White, Red, Green, Bro	Black, White, Red, Green, Brown, Blue				
Individual Screen	N.A.					
Wrapping	at least 1 layer of plastic tape	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	Polyvinyl chloride - PVC, Oil F	mm	6,5			
Cable Printing	RAMCRO ITALY TYPE TC - 6					
		R + BATCH + METER MARKING				
Technical Data & Standard References	3					
Fire Propagation:						
- Test on single cable	IEC 60332-1					
- Test on bunched cables	IEC 60332-3	Construction Reference Standard:	UL 1277 TC Cables			
		Type of Cable:				
<ul> <li>Vertical Tray Flame Test</li> </ul>	UL1685	Low Voltage Directive	2014/35/UE			
Limiting Oxygen Index (LOI)	(min 30%)	Other References:				
0,0	(min 30%) IEC 61034	- NEC code, sec. 725 PLTC,				
Smoke Density	, ,	- NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC,				
Smoke Density Amount of halogen acid gas	IEC 61034	- NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - UL 1685				
Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas Acidity (ph value) and conductivity Sunlight resistance	IEC 61034 IEC 60754-1 (max 15%)	- NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC,				

Electrical & Mechanical Data

Conductor Cross-section	Nom.	20AWG	Temperature Range:	<u></u> _+	
DC Resistance per core at 20° C	max Ω/km	34,0	During Operation	<u>↓</u> - ° (	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	148
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	69
L/R Ratio	max μH/Ω	25			
Operating Voltage	V	600			

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