

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

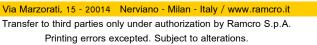
SAS0406HBACX-T-UL	PVC HT 105/CAM/PVC Oil Res.
Application	

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.

	4x20AWG				
				Nomina	
Formation	4 Cores		Unit	Value	
Section	20AWG				
Conductor	Tinned copper wire, 7 strand			0,9	
Insulation	Hi Temperature Polyvinylchloride - PVC HT 105°C			1,5	
Colour Code	Black, White, Red, Green				
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	Polyvinyl chloride - PVC, Oil F	mm	5,6		
Cable Printing	RAMCRO ITALY TYPE TC - 4x20AWG CU CL2/PVC/CAM/PVC 600V MIL				
Technical Data & Standard References					
Fire Propagation:					
0	IEC 60332-1				
0	IEC 60332-1 IEC 60332-3	Construction Reference Standard:		1277	
- Test on bunched cables	IEC 60332-3	Type of Cable:	TC C	Cables	
- Test on bunched cables - Vertical Tray Flame Test	IEC 60332-3 UL1685	Type of Cable: Low Voltage Directive	TC C		
· Test on bunched cables · Vertical Tray Flame Test Limiting Oxygen Index (LOI)	UL1685 (min 30%)	Type of Cable: Low Voltage Directive Other References:	TC C	Cables	
 Test on bunched cables Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density 	IEC 60332-3 UL1685 (min 30%) IEC 61034	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC,	TC C	Cables	
 Test on bunched cables Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas 	IEC 60332-3 UL1685 (min 30%) IEC 61034 IEC 60754-1 (max 15%)	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC,	TC C	Cables	
- Test on bunched cables - Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas Acidity (ph value) and conductivity	IEC 60332-3 UL1685 (min 30%) IEC 61034 IEC 60754-1 (max 15%) IEC 60754-2	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC,	TC C	Cables	
- Test on bunched cables - Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas Acidity (ph value) and conductivity Sunlight resistance	IEC 60332-3 UL1685 (min 30%) IEC 61034 IEC 60754-1 (max 15%)	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - UL 1685	TC C	Cables	
 Test on single cable Test on bunched cables Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas Acidity (ph value) and conductivity Sunlight resistance Notes 	IEC 60332-3 UL1685 (min 30%) IEC 61034 IEC 60754-1 (max 15%) IEC 60754-2	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - UL 1685 - ASTM D 1239	TC C	Cables	
- Test on bunched cables - Vertical Tray Flame Test Limiting Oxygen Index (LOI) Smoke Density Amount of halogen acid gas Acidity (ph value) and conductivity Sunlight resistance	IEC 60332-3 UL1685 (min 30%) IEC 61034 IEC 60754-1 (max 15%) IEC 60754-2	Type of Cable: Low Voltage Directive Other References: - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - UL 1685 - ASTM D 1239 - NF C 32-020	TC C	Cables	

Conductor Cross-section	Nom.	20AWG	Temperature Range:	<u></u> _+	
DC Resistance per core at 20° C	max Ω/km	34,0	During Operation	↓ - ° (-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	99
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	52
L/R Ratio	max μH/Ω	25			
Operating Voltage	V	600			

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