



Technical Data

UL 1277

Document Reference

15/02994R2

RAMCRO Cable

For standard applications, flame retardant.

Multi-Core, PVC HT 105-Insulation, Collective Screen, PVC-Sheath

SAS0403HBACX-T-UL

PVC HT 105/CAM/PVC

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

		Unit	Nominal Value
Formation	4 Cores		
Section	16AWG		
Conductor	Tinned copper wire, 7 strand	mm	1,4
Insulation	Hi Temperature Polyvinylchloride - PVC HT 105°C	mm	2,3
Colour Code	Customized Colors		
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 - Grey RAL 7001	mm	7,7
Cable Printing	RAMCRO Italy Type TC - 4 C 16AWG CU CL2/PVC/CAM/PVC 600V MIL UL 1581 105°C month+year + BATCH + METER MARKING		

Technical Data & Standard References

Fire Propagation:		Construction Reference Standard:	UL 1277
- Test on single cable	IEC 60332-1	Type of Cable:	Instrumentation Cable
- Test on bunched cables	IEC 60332-3	Low Voltage Directive	2006/95/EC
- Vertical Tray Flame Test	UL1685	Other References:	
Limiting Oxygen Index (LOI)	(min 30%)	- NEC code, sec. 725 PLTC,	
Flammability temperature (FT)		- NEC code, sec. 727 ITC,	
Amount of halogen acid gas	(max 15%)	- UL 1685	
Sunlight resistance	UL 1581 section 1200	- ASTM D 1239	
Notes		- NF C 32-020	
		- IRAM IAP	

Electrical & Mechanical Data

Conductor Cross-section	Nom.	16AWG	Temperature Range:		
DC Resistance per core at 20° C	max	Ω/km	During Operation	° C	-30° C up to +105°C
Insulation Resistance at 20° C	min	MΩ*km	During Installation	° C	-5° C up to +50°C
Mutual Capacitance	max	nF/km	Min. Bending Radius	mm	10 x cable diameter
Inductance	max	mH/km	Weight Approx	kg/km	107
Test Voltage - Core/Core	V	2000			
Test Voltage - Core/Screen	V	2000			
L/R Ratio	max	μH/Ω			
Operating Voltage	V	600			

Issued by: DAVIDE



Date of issue:

Prepared by RAMCRO Tech

Via Marzorati, 15 - 20014 Nerviano - Milan - Italy / www.ramcro.it

11/03/2016 00:00

Creator: LDG

Transfer to third parties only under authorization by Ramcro S.p.A.

Form 1

Printing errors excepted. Subject to alterations.