

### Ramcro Cables

For standard applications, flame retardant.

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

SAS1252HBACX-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

Formation	12 Cores	Unit	Nominal Value
Section	12AWG		
Conductor	Tinned copper wire, 7 strand	mm	2,3
Insulation	Hi Temperature Polyvinylchloride - PVC HT 105°C	mm	3,2
Colour Code	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Grey, Pink, Light Brown		
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 Resistant - Grey RAL 7001	mm	15,9
Cable Printing	RAMCRO Italy Type TC - 12 C 12AWG CU CL2/PVC/CAM/PVC 600V MIL UL 1581 105°C month+year + BATCH + METER MARKING		

#### Technical Data & Standard References

Fire Propagation:		Type of Cable:	TC Cables
- Test on single cable	IEC 60332-1	Low Voltage Directive	2014/35/UE
- Test on bunched cables	IEC 60332-3		
- Vertical Tray Flame Test	UL1685		
Limiting Oxygen Index (LOI)	(min 30%)		
Smoke Density	IEC 61034		
Amount of halogen acid gas	IEC 60754-1 (max 15%)		
Acidity (ph value) and conductivity	IEC 60754-2		
Sunlight resistance	UL 1581 section 1200		
Notes			

#### Electrical & Mechanical Data

Conductor Cross-section	Nom.	12AWG	Temperature Range:	
DC Resistance per core at 20° C	max	Ω/km	5,3	During Operation
Insulation Resistance at 20° C	min	MΩ*km	25	During Installation
Mutual Capacitance	max	nF/km	250	
Inductance	max	mH/km	1	Min. Bending Radius
Test Voltage - Core/Core	V	2000		mm
Test Voltage - Core/Screen	V	2000		kg/km
L/R Ratio	max	μH/Ω	25	545
Operating Voltage	V	600		



° C -30° C up to +105°C  
° C -5° C up to +50°C