



### Ramcro Cable

For standard applications, flame retardant, Oil resistant

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

SAS1203HEACX-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		12x16AWG	
Formation	12 Cores	Unit	Nominal Value
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, Oil Resistant - Black	mm	11,7
Cable Printing	RAMCRO ITALY TYPE TC - 12x16AWG 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 Cable
- 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.	16AWG	Temperature Range:  ° C
DC Resistance per core at 20° C	max Ω/km	13,5	
Insulation Resistance at 20° C	min MΩ*km	25	During Installation ° C
Mutual Capacitance	max nF/km	250	-5° C up to +50°C
Inductance	max mH/km	1	Min. Bending Radius mm
Test Voltage - Core/Core	V	2000	10 x cable diameter
Test Voltage - Core/Screen	V	2000	Weight Approx kg/km
L/R Ratio	max μH/Ω	40	254
Operating Voltage	V	600	