



Technical Data

Document Reference

Data Sheet

TC
CABLE



Ramcro Cable

For standard applications, flame retardant, Oil resistant

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

SAS1205HEACX-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		12x18AWG	
Formation	12 Cores	Unit	Nominal Value
Section	18AWG		
Conductor	Tinned copper wire, 7 strand	mm	1,1
Insulation	Hi Temperature Polyvinylchloride - PVC HT 105°C	mm	2,0
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	10,7
Cable Printing	RAMCRO ITALY TYPE TC - 12x18AWG 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.	18AWG	Temperature Range:  ° C
DC Resistance per core at 20° C	max Ω/km	21,4	
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	192
Operating Voltage	V	600	

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Prepared by RAMCRO Tech

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

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