Technical Data

Document Reference
18/02254

TC CABLE

#N/D

For standard applications, flame retardant, Oil resistant

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

Code: SAS0403HEPCX-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	**4C16AWG**		
		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	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 Resistant - Black	mm	7,7
Cable Printing	RAMCRO ITALY TYPE TC - 4x16 AWG CU CL2 PVC/CAM/PVC 600V MIL UL 1581 105°C MONTH/YEAR + BATCH + METER MARKING		

Technical Data & Standard References

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

Electrical & Mechanical Data

Conductor Cross-section	Nom.	16AWG	Temperature Range:		
DC Resistance per core at 20° C	max Ω/km	13,7	During Operation	° C	-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	8 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2	260
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	131
L/R Ratio	max µH/Ω	40			
Operating Voltage	V	600			

RoHS 2002/95/EC