Technical Data

Document Reference
DATA SHEET

TELDOR
EQV

RAMCRO
For standard applications, flame retardant.

Multi-Pair, HT 105°-Insulation, Collective Screen, PVC-Sheath

MAS0107HBACN-T-UL

Application
Power and Control Cable

Construction

		Unit	Nominal Value
Formation	1 Pairs		
Section	22 AWG		
Conductor	tinned copper wire, 7 strand		
Insulation	Hi Temperature polyvinyl chloride - PVC HT 105°C	mm	1,3
Colour Code	White, Black		
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.		
Outher Sheath	polyvinyl chloride - PVC - Grey RAL 7001	mm	4,5
Cable Printing	RAMCRO Italy Type TC - 1 pr 22AWG 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
- Vertical Tray Flame Test	UL1685
Limiting Oxygen Index (LOI)	ASTM D 2863 (min 30%)
Flammability temperature (FT)	
Amount of halogen acid gas	IEC 60754-1 (max 15%)
Type of Cable:	Power and Control Cable
Notes	

Electrical & Mechanical Data

Conductor Cross-section	Nom.	22AWG	Temperature Range:		
DC Resistance per core at 20° C	max Ω/km	53,4	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	140			
Inductance	max mH/km	1	Weight Approx	kg/km	27
Test Voltage - Core/Core	V	2000			
Test Voltage - Core/Screen	V	2000			
L/R Ratio	max µH/Ω	25			
Operating Voltage	V	600			