



# Technical Data

Document Reference  
DATA SHEET

TELDOR  
EQV

## RAMCRO

For standard applications, flame retardant.

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

SAS0752HBACX-T-UL

### Application

Power and Control Cable

### Construction

		Unit	Nominal Value
Formation	7 Cores		
Section	12AWG		
Conductor	tinned copper wire, 7 strand		
Insulation	Hi Temperature polyvinyl chloride - PVC HT 105°C	mm	3,2
Colour Code	See the table		
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 - Grey RAL 7001	mm	11,9
Cable Printing	RAMCRO Italy Type TC - 7 x 12AWG 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	

Teldor Color Code (Up to 12 Conductors)			
N°	Color Code	N°	Color Code
1	Black	10	Grey
2	White	11	Pink
3	Red	12	Light Brown
4	Green	13	Black + White Ring
5	Brown	14	White + Black Ring
6	Blue	15	Red + Black Ring
7	Orange	16	Green + Black Ring
8	Yellow	17	Brown + Black Ring
9	Purple	18	Blue + Black Ring

### Electrical & Mechanical Data

Conductor Cross-section	Nom.	12AWG	Temperature Range:		
DC Resistance per core at 20° C	max $\Omega$ /km	5,9	During Operation		° C
Insulation Resistance at 20° C	min $M\Omega$ *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	335
Test Voltage - Core/Core	V	2000			
Test Voltage - Core/Screen	V	2000			
L/R Ratio	max $\mu H/\Omega$	25			
Operating Voltage	V	600			

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