



Technical Data

Document Reference
Data Sheet

TELDOR EQV

RAMCRO

For standard applications, flame retardant, UV resistant

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

SASI205HBACX-T-UL

Application

Instrumentation Cable

Construction

| | | Unit | Nominal Value |
|-------------------|---|------|---------------|
| Formation | 12 Cores | | |
| Section | 18 AWG | | |
| Conductor | tinned copper wire, 7 strand | | |
| Insulation | Hi Temperature polyvinyl chloride - PVC HT 105°C | mm | 2,0 |
| 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 Oil Resistant - Grey RAL 7001 | mm | 10,7 |
| Cable Printing | RAMCRO Italy Type TC - 12 x 18AWG 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 |
| Limiting Oxygen Index (LOI) | ASTM D 2863 (min 30%) |
| Flammability temperature (FT) | |
| Amount of halogen acid gas | IEC 60754-1 (max 1,3%) |
| Sunlight resistance | UL 1581 section 1200 |
| Type of Cable: | Power & Control Cable |
| Low Voltage Directive | 2006/95/EC |

| 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. | 18 AWG | Temperature Range: | | ° C | -30° C up to +105°C |
| DC Resistance per core at 20° C | max | Ω/km | 22,0 | | | |
| 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 | Min. Bending Radius | mm | 6 x cable diameter |
| Test Voltage - Core/Core | V | 2000 | | Weight Approx | kg/km | 191,38 |
| Test Voltage - Core/Screen | V | 2000 | | | | |
| L/R Ratio | max | μH/Ω | 25 | | | |
| Operating Voltage | V | 600 | | | | |

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