

## RAMCRO - BMS-PVC-BC-Screened Cable For standard applications, flame retardant.

Multicore, PP-Insulation, Collective Screened, PVC-Sheath

SAS0605HBAXX-RB

### Application

PVC sheathed multi-conductor cables are suitable for Building Management Systems (BMS), Sound, Audio, Security, Safety, Control and Instrumentation.


### Construction

|                   |  | Unit | Nominal Value |
|-------------------|--|------|---------------|
| Formation         | 6 Cores  |      |               |
| Section           | 18 AWG   |      |               |
| Conductor         | Plain annealed copper wire, 7 strand   | mm   | 1,1           |
| Insulation        | Polypropylene - PP   | mm   | 1,5           |
| Colour Code       | Black, Red, White, Green, Brown, Blue  |      |               |
| 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   | 5,5           |
| Cable Printing    | RAMCRO ITALY R1211 AUDIO CONTROL & INSTRUMENTATION CABLE 6C 18AWG SCREENED PVC 300 V 75 C IEC 60332-1/UL 1581 - SAS0605HBAXX-RB - "PROD.WEEK/18" + BATCH + METER MARKING |      |               |

### Technical Data & Standard References

|                                     |                       |                       |                           |
|-------------------------------------|-----------------------|-----------------------|---------------------------|
| Fire Propagation:                   |                       | Type of Cable:        | BMS-PVC-BC-Screened Cable |
| - Test on single cable              | IEC 60332-1           | Low Voltage Directive | 2014/35/UE                |
| - Test on bunched cables            | IEC 60332-3           | Other References:     |                           |
| 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. | 18 AWG | Temperature Range: |  |                       |
| DC Resistance per core at 20° C | max  | Ω/km   | 22,7               | During Operation   | ° C -30°C up to 80°C  |
| Insulation Resistance at 20° C  | min  | MΩ*km  | 1000               | During Installation  | ° C -30°C up to 80°C  |
| Nominal Mutual Capacitance      | max  | pF/m   | 75                 |  |                       |
| Inductance                      | max  | mH/km  | 1                  | Min. Bending Radius  | mm 8 x cable diameter |
| Test Voltage - Core/Core        | V    | 2000   |                    | Max Pulling Tension  | N/mm2 234             |
| Test Voltage - Core/Screen      | V    | 2000   |                    | Weight Approx  | kg/km 70              |
| Operating Voltage               | V    | 300    |                    | Put up length  | mt 305                |

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