



## Technical Data

### Document Reference

25/00000

R1261

### RAMCRO - BMS-PVC-BC-UnScreened Cable

For standard applications, flame retardant.

Multicore, PP-Insulation, UnScreened, PVC-Sheath

SSS0606HBAXX-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           | 20 AWG                                                                                                                                                                           |      |               |
| Conductor         | Plain annealed copper wire, 7 strand                                                                                                                                             | mm   | 0.9           |
| Insulation        | Polyolefine                                                                                                                                                                      | mm   | 1.3           |
| 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 | N.A.                                                                                                                                                                             |      |               |
| Inner Sheath      | N.A.                                                                                                                                                                             |      |               |
| Armour            | N.A.                                                                                                                                                                             |      |               |
| Outer Sheath      | Polyvinyl chloride - PVC - Grey RAL 7001                                                                                                                                         | mm   | 5.1           |
| Cable Printing    | RAMCRO ITALY R1261 AUDIO CONTROL & INSTRUMENTATION CABLE<br>6C 20AWG UNSCREENED PVC 300 V 75 C IEC 60332-1/UL 1581 -<br>SSS0606HBAXX-RB - "PROD.WEEK/20" + 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)         | (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                               |                             |  |
| Type of Cable:                      | BMS-PVC-BC-UnScreened Cable |  |
| Low Voltage Directive               | 2014/35/UE                  |  |
| Other References:                   |                             |  |

#### Electrical & Mechanical Data

|                                 |                   |        |                     |                       |
|---------------------------------|-------------------|--------|---------------------|-----------------------|
| Conductor Cross-section         | Nom.              | 20 AWG | Temperature Range:  |                       |
| DC Resistance per core at 20° C | max $\Omega$ /km  | 37.5   | During Operation    | ° C -30°C up to 80°C  |
| Insulation Resistance at 20° C  | min $M\Omega$ *km | 1000   | During Installation | ° C -30°C up to 80°C  |
| Nominal Mutual Capacitance      | max pF/m          | 45     |                     |                       |
| Inductance                      | max mH/km         | 1      | Min. Bending Radius | mm 8 x cable diameter |
| Test Voltage - Core/Core        | V                 | 2000   | Max Pulling Tension | N 144                 |
| Test Voltage - Core/Screen      | V                 | N.A.   | Weight Approx       | kg/km 54              |
| Operating Voltage               | V                 | 300    | Put up length       | mt 305                |



Issued by: RAMCRO S.p.A.

Prepared by RAMCRO Tech

Via Marzorati, 15 - 20014 Nerviano - Milan - Italy / www.ramcro.it

Date of issue:

9/22/2026 0:00