

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

For standard applications, flame retardant.

Multicore, PP-Insulation, UnScreened, PVC-Sheath

SSS0305HBAXX-RB

#### Application

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


#### Construction

| Formation         | 3 Cores                                                                                                                                                                          | Unit | Nominal Value |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Section           | 18 AWG                                                                                                                                                                           |      |               |
| Conductor         | Plain annealed copper wire, 7 strand                                                                                                                                             | mm   | 1,1           |
| Insulation        | Polypropylene - PP                                                                                                                                                               | mm   | 1,5           |
| Colour Code       | Black, Red, White                                                                                                                                                                |      |               |
| 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   | 4,1           |
| Cable Printing    | RAMCRO ITALY R1016 AUDIO CONTROL & INSTRUMENTATION CABLE 3C 18AWG<br>UNSCREENED PVC 300 V 75 C IEC 60332-1/UL 1581 - SSS0305HBAXX-RB -<br>"PROD.WEEK/18" + BATCH + METER MARKING |      |               |

#### Technical Data & Standard References

|                                     |                       |                       |                             |
|-------------------------------------|-----------------------|-----------------------|-----------------------------|
| Fire Propagation:                   |                       | Type of Cable:        | BMS-PVC-BC-UnScreened 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   | 55                 |                                                                                      |                       |
| Inductance                      | max  | mH/km  | 1                  | Min. Bending Radius                                                                  | mm 8 x cable diameter |
| Test Voltage - Core/Core        | V    |        | 2000               | Max Pulling Tension                                                                  | N/mm2 117             |
| Test Voltage - Core/Screen      | V    |        | N.A.               | Weight Approx                                                                        | kg/km 36              |
| Operating Voltage               | V    |        | 300                | Put up length                                                                        | mt 305                |

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