

## MULTI-CONDUCTOR CABLE

Screened multi-conductor cable with a LSZH(FRNC) sheath are suitable for Building Management Systems (BMS), Sound, Audio, Security, Safety, Control and Instrumentation



### CONSTRUCTION

**Formation:**

Plain annealed copper wire, Stranded

**Insulation:**

Polyolefine - PO

**Wrapping:**

at least 1 layer of plastic tape 0,023 mm

**Collective Screen:**

0,026 mm Aluminium / PETP tape over tinne copper drain wire

**Outer Sheath:**

Thermoplastic low smoke, Halogen free - LSZH(FRNC)

**Colour Outer Sheath:**

Violet

### IDENTIFICATION OF CORES

|         |                 |
|---------|-----------------|
| 2 Core: | ● ●             |
| 3 Core: | ● ● ○           |
| 4 Core: | ● ● ○ ●         |
| 5 Core: | ● ● ○ ● ●       |
| 6 Core: | ● ● ○ ● ● ●     |
| 7 Core: | ● ● ○ ● ● ● ●   |
| 8 Core: | ● ● ○ ● ● ● ● ● |

### CABLE PRINTING

RAMCRO ITALY - R\_\_\_\_\_ - AUDIO CONTROL & INSTRUMENTATION CABLE 2C 22AWG UNSCREENED  
LSZH(FRNC) 300 V 75 C IEC 60332-1/UL 1581 - RAMCRO CODE  
- "PROD.WEEK/YEAR" - MADE IN ITALY + BATCH + METER MARKING

### ELECTRICAL DATA

Insulation Resistance @ 20°C: > 25 MOhm\*Km  
Test Voltage Core-Core: 2000 V  
Test Voltage Core-Screen: 2000 V  
Inductance: < 1 mH/km  
Operating Voltage: 300 V

### STANDARD REFERENCES

- (BS) EN 50290-2
- IEC 60228
- IEC 60332-1 for PVC sheath
- IEC 60332-3-24 for LSZH(FRNC) sheath
- IEC 60754-1&2 for LSZH(FRNC) sheath
- IEC 61034 for LSZH(FRNC) sheath

### TEMPERATURE RANGE

**During Operation:**

-30° C up to +80°C

**During Installation:**

-5° C up to +50°C



### CHARACTERISTICS

Building Management Systems Cable

**Min. Bending Radius**

8 x cable diameter



Put up lenght 305 mt



## MULTI-CONDUCTOR CABLE

LSZH(FRNC) sheathed, screened cables with 22AWG to 12AWG conductors

| RAMCRO CODE     | PART N° | FORMATION<br>[n° x AWG] | NOM. OUTER<br>DIAMETER [mm] | NOM WEIGHT<br>[kg/km] | MAX RESISTANCE<br>AT 20°C [Ohm/km] | NOM.<br>CAPACITANCE [pF/m] |
|-----------------|---------|-------------------------|-----------------------------|-----------------------|------------------------------------|----------------------------|
| SAS0207HXEDH-RB | R1741   | 2x22AWG                 | 3.4                         | 16                    | 56.7                               | 115.0                      |
| SAS0307HXEDX-RB | R1743   | 3x22AWG                 | 3.6                         | 21                    | 56.7                               | 110.0                      |
| SAS0407HXEDX-RB | R1745   | 4x22AWG                 | 3.9                         | 25                    | 56.7                               | 110.0                      |
| SAS0607HXEDX-RB | R1747   | 6x22AWG                 | 4.6                         | 35                    | 56.7                               | 105.0                      |
| SAS0807HXEDX-RB | R1749   | 8x22AWG                 | 5.0                         | 43                    | 56.7                               | 100.0                      |
| SAS1207HXEDX-RB | R1752   | 12x22AWG                | 6.1                         | 73                    | 56.7                               | 100.0                      |
| SAS0206HXEDH-RB | R1731   | 2x20AWG                 | 3.6                         | 20                    | 37.2                               | 138.0                      |
| SAS0306HXEDX-RB | R1733   | 3x20AWG                 | 3.8                         | 26                    | 37.2                               | 140.0                      |
| SAS0406HXEDX-RB | R1735   | 4x20AWG                 | 4.1                         | 32                    | 37.2                               | 120.0                      |
| SAS0606HXEDX-RB | R1737   | 6x20AWG                 | 4.9                         | 44                    | 37.2                               | 115.0                      |
| SAS0806HXEDX-RB | R1739   | 8x20AWG                 | 5.4                         | 56                    | 37.2                               | 115.0                      |
| SAS0205HXEDH-RB | R1721   | 2x18AWG                 | 4.0                         | 27                    | 22.9                               | 150.0                      |
| SAS0305HXEDX-RB | R1723   | 3x18AWG                 | 4.2                         | 35                    | 22.9                               | 150.0                      |
| SAS0405HXEDX-RB | R1725   | 4x18AWG                 | 4.6                         | 45                    | 22.9                               | 150.0                      |
| SAS0605HXEDX-RB | R1727   | 6x18AWG                 | 5.5                         | 63                    | 22.9                               | 140.0                      |
| SAS0805HXEDX-RB | R1729   | 8x18AWG                 | 6.0                         | 81                    | 22.9                               | 135.0                      |
| SAS0203HXEDH-RB | R1711   | 2x16AWG                 | 4.7                         | 36                    | 15.5                               | 170.0                      |
| SAS0303HXEDX-RB | R1713   | 3x16AWG                 | 5.0                         | 48                    | 15.5                               | 168.0                      |
| SAS0403HXEDX-RB | R1715   | 4x16AWG                 | 5.4                         | 62                    | 15.5                               | 165.0                      |
| SAS0603HXEDX-RB | R1717   | 6x16AWG                 | 6.5                         | 88                    | 15.5                               | 150.0                      |
| SAS0803HXEDX-RB | R1719   | 8x16AWG                 | 7.2                         | 113                   | 15.5                               | 146.0                      |
| SAS0201HXEDH-RB | R1701   | 2x14AWG                 | 5.6                         | 54                    | 9.3                                | 190.0                      |
| SAS0301HXEDX-RB | R1703   | 3x14AWG                 | 5.9                         | 74                    | 9.3                                | 185.0                      |
| SAS0401HXEDX-RB | R1705   | 4x14AWG                 | 6.5                         | 95                    | 9.3                                | 183.0                      |
| SAS0601HXEDX-RB | R1707   | 6x14AWG                 | 7.9                         | 118                   | 9.3                                | 178.0                      |
| SAS0801HXEDX-RB | R1709   | 8x14AWG                 | 8.7                         | 140                   | 9.3                                | 173.0                      |
| SAS0252HXEDH-RB | R1334   | 2x12AWG                 | 6.8                         | 81                    | 5.7                                | 190.0                      |
| SAS0352HXEDX-RB | R1336   | 3x12AWG                 | 7.2                         | 114                   | 5.7                                | 190.0                      |
| SAS0452HXEDX-RB | R1338   | 4x12AWG                 | 8.0                         | 147                   | 5.7                                | 190.0                      |
| SAS0552HXEDX-RB | R1340   | 5x12AWG                 | 8.3                         | 165                   | 5.7                                | 190.0                      |
| SAS0652HXEDX-RB | R1342   | 6x12AWG                 | 9.7                         | 215                   | 5.7                                | 180.0                      |
| SAS0852HXEDX-RB | R1344   | 8x12AWG                 | 10.8                        | 281                   | 5.7                                | 176.0                      |