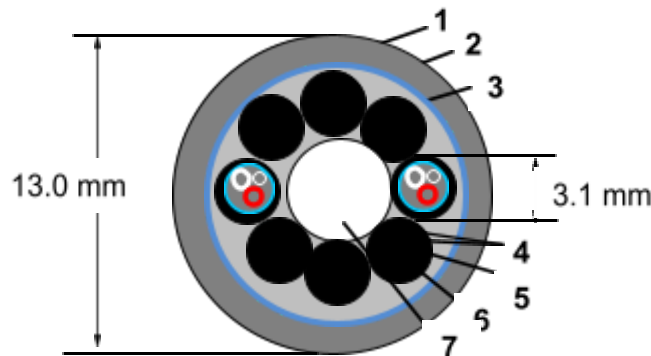


# Snake Cables Single Pair

**JHS8**

**Description:** Snake cables with twin twisted core, single pairs with Standard AL -Plastic compound foil and drain wire, with single pair jacket PVC jacket.



## Legend:

- 1 Jacket
- 2 Cotton paper separator
- 3 single pair jacket
- 4 Foil shield with drain wire
- 5 conductor insulation
- 6. Conductor
- 7. Filler Cord

| Mechanical Specification                                     |                                                                                                                                   |                           |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Composition of cores                                         | 8x2                                                                                                                               |                           |
| Overall diameter (mm)                                        | Ø 13.0 Tolerance overall diameter,+/-0,3mm                                                                                        |                           |
| Diameter per element                                         | Ø 3.1 mm, +/- 0,1 mm                                                                                                              |                           |
| Conductor area                                               | 0.157 mm <sup>2</sup> / 26 AWG                                                                                                    |                           |
| Composition of conductor                                     | 8 x (20 x 0.10 mm), BC- <i>Bare annealed Copper</i>                                                                               |                           |
| Conductor insulation                                         | LDPE Ø1.1±0.1mm (Red,White)                                                                                                       |                           |
| single pair jacket                                           | Black                                                                                                                             |                           |
| Foil shield /Screen<br>Drain wire                            | Pair screen,<br>Foil Type: PT/AL (Not edge free) +<br>drain wire(7 x 0.15 mm TC- <i>Tin-Plated Copper</i> )                       |                           |
| Pair jacket material and overall<br>jacket material.         | PVC with restricted Substance:<br>Cadmium: < 5 PPM ('Cadmium free')<br>Lead: < 50 PPM<br>Mercury: < 2 PPM Chromium: Not contained |                           |
| Overall jacket colour, surface<br>characteristic, appearance | matte black – anthracite colour,<br>not shiny, not sticky Moderate smell.                                                         |                           |
| Cable Printing                                               | According Customer request                                                                                                        |                           |
| Working<br>temperature                                       | mobile                                                                                                                            | -5°C to +70°C             |
|                                                              | fixed                                                                                                                             | -20° to +70°C             |
| Electrical data                                              |                                                                                                                                   | Conditions                |
| Max. conductor<br>resistance (1km)                           | 125,0 Ohm /<br>km                                                                                                                 | 20° C                     |
| Insulation<br>resistance, (1 km)                             |                                                                                                                                   | 20°C, 500 V <sub>DC</sub> |
| Capacitance: cond. /<br>cond. (1m)                           | <75 pF/m                                                                                                                          | 1 KHz                     |
| Capacitance: cond. /<br>screen, (1m)                         | <136 pF/m                                                                                                                         | 1 KHz                     |
| Test voltage:<br>conductor /<br>conductor                    | 500 V eff                                                                                                                         | 50 Hz, 1 Minute           |
| Cross-Talk-Attenuati<br>on                                   | 100 dB<br>(100m)                                                                                                                  | 10 KHz                    |

## Quality Check

|                       |  |                     |       |
|-----------------------|--|---------------------|-------|
| Prototype/Development |  | Production M.O. No: | Date: |
|-----------------------|--|---------------------|-------|

|                                 |             |
|---------------------------------|-------------|
| <b>Snake Cables Single Pair</b> | <b>JHS8</b> |
|---------------------------------|-------------|

|      |                  |     |    |       |
|------|------------------|-----|----|-------|
| Name | Quality Approved | YES | NO | Sign: |
|------|------------------|-----|----|-------|

**Comment:**