

## Technical Data Sheet

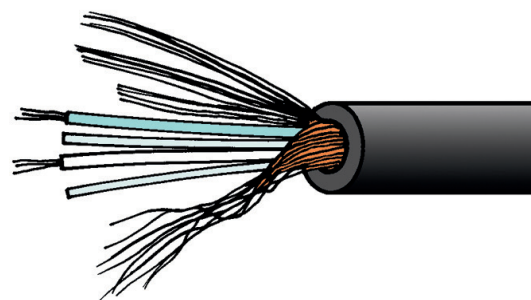
### CANFORD DSR CABLE

**30-361** CANFORD DSR CABLE 1 pair, 110 ohms

#### DSR - DIGITAL AUDIO HELICAL SCREENED STRANDED CONDUCTOR TWIN CABLE RUGGEDISED

A highly flexible, 110 ohm ruggedised cable designed specifically for deployable applications of the most onerous nature. The outer jacket is a thick-wall polyurethane construction, for the highest level of protection and for cut and abrasion resistance.

This cable is suitable for all digital audio and most analogue audio applications where an exceptionally robust construction is required.



#### TECHNICAL SPECIFICATION

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Conductors       | 7/0.2mm (0.22mm sq.) bare copper                                     |
| Insulation       | Foamed polyethylene, white, blue                                     |
| Construction     | Two cores twisted together with filler and one layer of aramide yarn |
| Screen           | Bare copper, helically wound                                         |
| Jacket           | PUR (low smoke zero halogen), 6.50mm O.D., black                     |
| Flame Resistance | VDE 0472 part 804 class B and IEC 60332-1                            |
| Weight           | 5.0kg/100m                                                           |
| Reel length      | 500 metres                                                           |
| Cut lengths      | Available in any multiple of 1 metre                                 |

#### MECHANICAL PROPERTIES:

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Minimum bending radius | without load $\geq 4 \times D$ ( D= outer diameter )                     |
|                        | with load $\geq 8 \times D$ ( D= outer diameter )                        |
| Temperature range      | during operation - 30°C to + 70°C<br>during installation - 5°C to + 50°C |

#### ELECTRICAL PROPERTIES @20°C:

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Loop resistance          | $\leq 175 \Omega/\text{km}$                       |
| Insulation resistance    | 500 V $\geq 2000 \text{ M}\Omega \cdot \text{km}$ |
| Mutual capacitance       | 800 Hz nom. 45 nF/km                              |
| Velocity ratio           | ca .78%                                           |
| Test voltage             | (DC. 1 min) core/core and core/screen 1000 V      |
| Characteristic impedance | 6 MHz 110 $\Omega \pm 10\%$                       |

#### Electrical Data @20°C:

| Frequency (MHz) | Attenuation (dB/100m) |
|-----------------|-----------------------|
| 0.015           | 0.3                   |
| 1.0             | 1.5                   |
| 4.0             | 3.8                   |
| 10.0            | 6.0                   |
| 20.0            | 8.5                   |