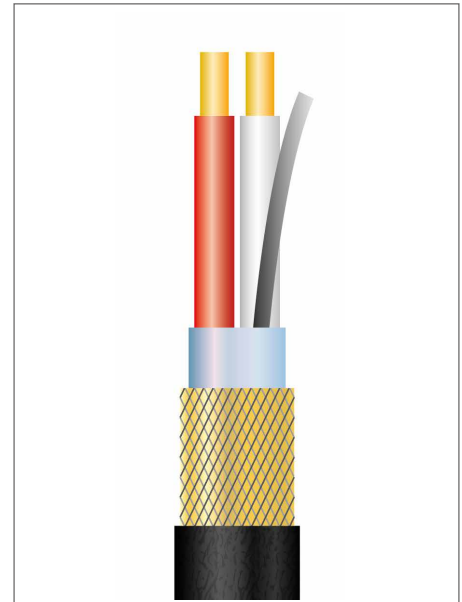
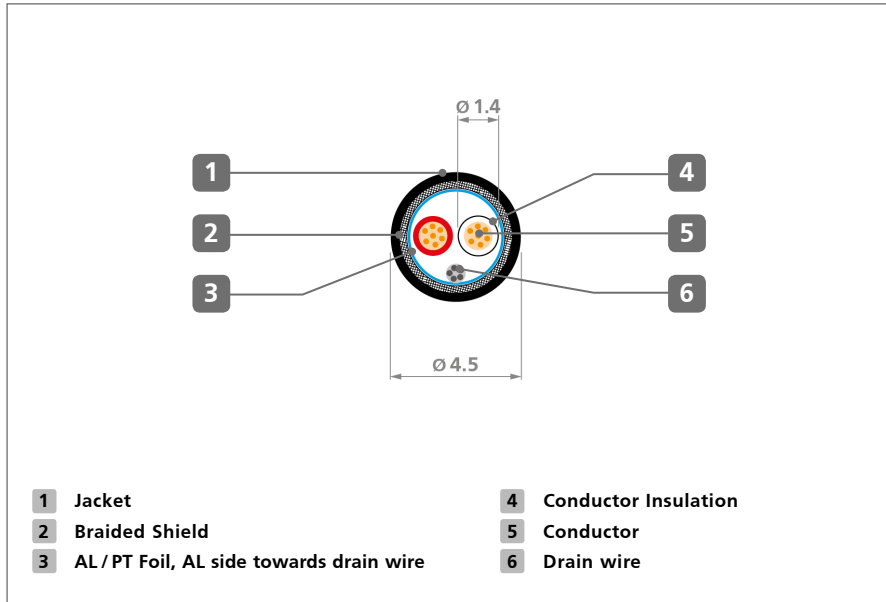


## DMX Data Cable

### YDMX122-HP

High Performance Data Cable according DMX512 / AES/EBU standard, O.D. 4.5 mm, 0.22 mm<sup>2</sup> / AWG 24



#### MECHANICAL SPECIFICATION

<b>Conductor area</b>	0.22 mm <sup>2</sup> / AWG 24
<b>Composition of conductor</b>	7 x 0.20 mm / 7 x AWG 32 Annealed bare copper, OFC standard
<b>Conductor insulation</b>	Foamed PE $\varnothing 1.4$ mm
<b>Conductor color</b>	Red & White
<b>Drain wire</b>	7 x 0.20 tinned copper OFC standard
<b>Composition of core</b>	2 twisted conductors 40 mm one, turn +/- 5 mm; left hand
<b>Foil shield</b>	AL - PT Foil, Coverage 100% Conductive side (AL coated) towards conductors (inside), spiral wound
<b>Braided shield</b>	16 strains of 4 wires each strain Tinned copper OFC, DM 0.1 mm Coverage $\geq 60$ %
<b>Overall jacket material</b>	PVC with restricted Substance: Cadmium: < 5 PPM ("Cadmium free") Lead: < 50 PPM Mercury: < 2 PPM Chromium: Not contained
<b>Jacket colour</b>	Black (other colours on request)
<b>Overall diameter</b>	$\varnothing 4.5$ mm tolerance: +/- 0.15 mm
<b>Working temperature - Mobile - Fixed</b>	-10 °C to +70 °C -20 °C to +70 °C
<b>Cable Printing</b>	- Standard cable print - Customer cable print on request

#### ELECTRICAL SPECIFICATION

<b>Nominal Characteristic Impedance</b>	120 $\Omega$ - 1 MHz
<b>Nominal Attenuation</b>	2.0 dB / 100 m - 1 MHz
<b>Capacitance 1 Conductor to Conductor</b>	55 pF / m - 1 KHz
<b>Capacitance 2 Conductor to Shield</b>	110 pF / m - 1 KHz
<b>Nominal DC Conductor Resistance</b>	80 m $\Omega$ / m - 20 °C
<b>Insulation resistance</b>	> 1 G $\Omega$ / m - 20 °C, 500 V <sub>DC</sub>
<b>Test voltage: Conductor / Screen</b>	1.000 VAC - 50 Hz, 1 Minute