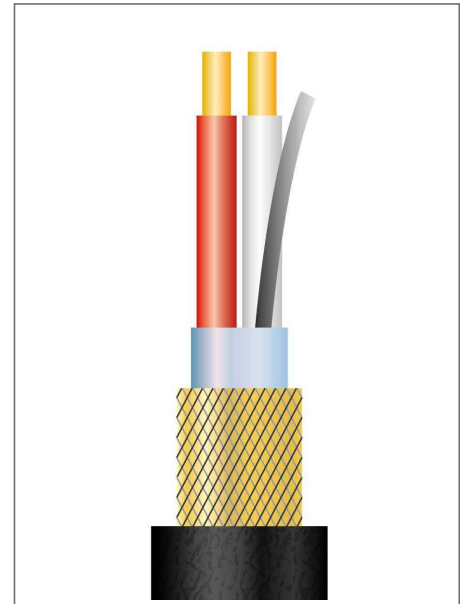
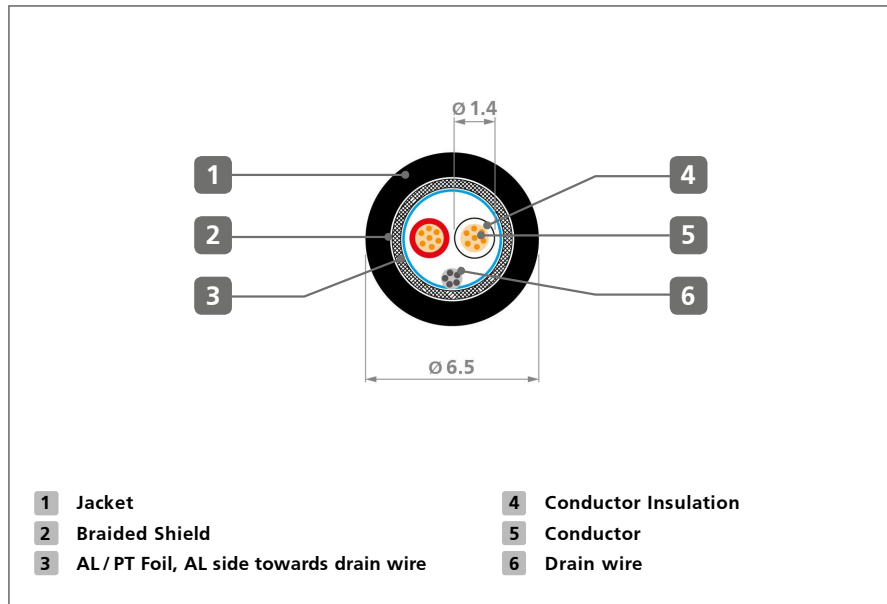


DMX Data Cable

FLN08 / 09 series

High Performance Data Cable according DMX512 / AES/EBU standard, O.D. 6.5 mm, 0.22 mm² / AWG 24



MECHANICAL SPECIFICATION

Conductor area	0.22 mm ² / AWG 24
Composition of conductor	7 x 0.20 mm / 7 x AWG 32 Annealed bare copper, OFC standard
Conductor insulation	Foamed PE $\varnothing 1.4$ mm
Conductor color	Red & White
Drain wire	7 x 0.20 tinned copper OFC standard
Composition of core	2 twisted conductors 40 mm one, turn +/- 5 mm; left hand
Foil shield	AL - PT Foil, Coverage 100% Conductive side (AL coated) towards conductors (inside), spiral wound
Braided shield	16 strains of 4 wires each strain Tinned copper OFC, DM 0.1 mm Coverage ≥ 60 %
Overall jacket material	PVC with restricted Substance: Cadmium: < 5 PPM ("Cadmium free") Lead: < 50 PPM Mercury: < 2 PPM Chromium: Not contained
Jacket colour	Black (other colours on request)
Overall diameter	$\varnothing 6.5$ mm tolerance: +/- 0.15 mm
Working temperature - Mobile - Fixed	-10 °C to +70 °C -20 °C to +70 °C
Cable Printing	- Standard cable print - Customer cable print on request

ELECTRICAL SPECIFICATION

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