

Product Specification	Part Number: 22-001-02, 22-001-03
HDMI 28 AWG regular wires	Model: HD-28RD250, HD-28RD500
Product Image	Product Drawing
	
Features and Benefits	General
<ul style="list-style-type: none"> > HDMI 2.0 High Speed, 4k, 3D, HEAC, Deep Color > UL CMG rating (eqv. IEC 60332-1) for in wall installations > Designed to work with Luxi DIY field termination system > Super flexible matt PVC jacket for easy cable pulling > Stranded conductors for better flexibility > Coated conductor to prevent oxidation > Precision twist for minimizing jitter > Tight impedance tolerance reduces signal reflection > PE skin insulation for least signal attenuation > Aluminum Mylar with 100% coverage for best shielding > Available in 250' (76 m) and 500' (152 m) spools > Packed in self dispensing box (spool in a box) > RoHS compliant 	<p>Jacket color and material: black matt PVC Overall jacket diameter: 0.26" (6.5 mm) HDMI specs: rev 1.4 Cat2 High Speed HEAC compatible UL: pass UL-1581 VW-1; equivalent to IEC 60332-1 Jacket marking: LUXi High Speed HDMI Cable E119932 AWM STYLE 20276 80°C 30V VW-1 CSA LL84201 CMG FT4</p> <p>4 TMDS twisted pairs Conductor: 7x0.127mm=28 AWG (0.32mm) tinned copper Insulation: FM-PE+skin, OD 0.038" (0.98 mm) Shielding: Aluminum Mylar, 100% coverage, 25% overlay Drain wire: 7x0.127mm=28 AWG (0.32mm) tinned copper</p> <p>Other 1 twisted pair and 5 wires Conductor: 7x0.127mm=28 AWG (0.32mm) tinned copper Insulation: HD-PE Shielding: none</p>
Package	Overall
Packed in self dispensing box, available in 2 sizes P/N 22-001-02, 250' (76 m); P/N 22-001-03, 500' (152 m)	Min jacket thickness: 0.020" (0.51 mm) Shielding: Aluminum Mylar, 100% coverage, 25% overlay Drain wire: 7x0.127mm=28 AWG (0.32mm) tinned copper Braid: 16x 10x0.12 mm, A-M alloy
	Electrical
Box length: 13.0" (33 cm) Box width: 10.8" (28 cm) Box height: 14.2" (36 cm) Net weight: 12.5 lb (5.7 kg); 21 lb (9.5 kg) respectively	Supported formats: 4k, 3D, deep color, 1080p, etc Max data rate: depends on cable length; 24 Gbps at 2 m Max cable length: 12 m (40') at 1080p typical up to 24 m (80') with Luxi HDMI Extender Temperature rating: 80° C Voltage rating: 30 V Conductor resistance: at 20° C, 237 ohm/km FEXT: <-26 dB Impedance: 100 +4/-2 ohm Attenuation: 0.3~825 MHz <5 dB/3m 0.825~2.475 GHz <5~12 dB/3m 2.475~4.125 GHz <12~20 dB/3m 4.125~5.1 GHz <20~25 dB/3m
Other Related Products	Propagation delay: within a pair ≤111 ps / cable
Hand tool, P/N 68-011-01, model DIY-28T	Skew between pairs: ≤1.78 ns / cable
	Eye pattern 2 m 5 Gbps (1080p)
DIY connectors and clamshells, 10 sets of components, P/N 68-009-01, model DIY-28DS10, in two PET trays	
	Physical
HDMI Extender P/N 74-035-01 model EHD-111	 <p>Tensile strength: un-aged: 1500 psi min; aged: 70% min Elongation: un-aged: 100% min; aged: 65% Heat shock test: no cracking Cold bend test: no cracking Deformation test: max 50%</p>