

HDMI A male - HDMI A male - Active optical - Interchangeable connectors

#### Highlights:

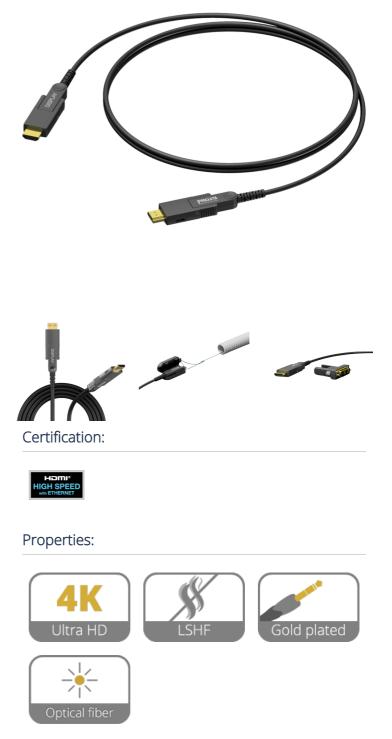
- HDMI 2.0
- Ultra HD 4K 2160p
- Fiber optic technology
- Flexible outer jacket
- Exchangeable connectors
- HDMI ARC up to 50 meter
- Multi-purpose connections (Micro-HDMI [Both sides])

### Product information:

The CLV220A is an active optical HDMI 2.0 cable aimed for fixed installations. It is able to transmit resolutions up to ultra HD 4K 2160p (4096 x 2160) at 60 Hz with a bandwidth of 18Gbps via OM3 fiber optical fiber technology, eliminating the possibility of electronic interference. The interchangeable connectors enable you to easily detach and reattach the connectors. This way the cable can be fitted through holes and straight tubes with diameters as small as 25 mm.

The CLV220A comes with a USB A to USB Micro B cable included, which is an accessory only required when the HDMI port on the transmitter side is delivering insufficient voltage (typically required when &It; 4.8 V) for powering the receiver end. The power is transferred from transmitter end to receiver end over the CLV220A cable.

Most general HDMI sources deliver sufficient voltage making the additional cable unnecessary. However typical applications where it might be required are e.g. streaming media player boxes, which might deliver insufficient voltage over their HDMI output.



## Product Features:

Application		AV & IT	
Series		Classic Series	
Accessories	Included	COP110	
		Pulling capsule case	
		Screwdriver	
		USB power cord (Optional use on RX side)	
	Optional	COP140	

# Physical Characteristics:

PE 1 mm (Ø)       Shielding     Aluminium foil     Al-mylar, 100% coverage - 25% Overlap       Overall shielding     Aluminium foil     TC 11 × 0.08 mm (Ø) (OFC)       Overall shielding     Aluminium foil     Al-mylar, 100% coverage - 25% Overlap       Outer jacket     Material     Stiff 4.5 mm (Ø)       Outer jacket     Material     LSHF 4.5 mm (Ø)       Strength test     Bending radius     Black       Strength test     Connector bending test     512 lb       Inner conductor     Material     10000 cycles       Inner conductor     Material     10000 cycles       Inner conductor     Material     TC 11 × 0.08 mm (Ø) (OFC)       Inner conductor     Material     TC 10 × 0.08 mm (Ø) (OFC)       Inner conductor     Material     TC 30 × 0.08 mm (Ø) (OFC)       Inner conductor     Material     TC 30 × 0.08 mm (Ø) (OFC)       Inner conductor     Material     Inner conductor       Inner conductor     Material     Inner conductor       Inner conductor     Material     Inner conductor       Inner conductor     Material     Inner conductor	Inner conductor	Insulation	Material	PE 0.9 mm (Ø)
Drain wire TC 11 x 0.08 mm (Ø) (OFC)   Overall shielding Aluminium foil Al-mylar, 100% coverage - 25% Overlap   Outer jacket Material LSHF 4.5 mm (Ø)   Colours Black   Strength test Bending radius 0.79 "   Tensile strength test 55.12 lb   Connector bending test > 10000 cycles   Inner conductor Material TC 11 x 0.08 mm (Ø) (OFC)   Inner conductor Material TC 11 x 0.08 mm (Ø) (OFC)   TC 11 x 0.08 mm (Ø) (OFC) TC 11 x 0.08 mm (Ø) (OFC)   TC 11 x 0.08 mm (Ø) (OFC) TC 11 x 0.08 mm (Ø) (OFC)   Inner conductor Material TC 11 x 0.08 mm (Ø) (OFC)   Inner conductor Section Sol000078 "   Ou00078 " Sol125 OM3 / Fiber (4x)				PE 1 mm (Ø)
Overall shielding   Aluminium foil   Al-mylar, 100% coverage - 25% Overlap     Outer jacket   Material   LSHF 4.5 mm (Ø)     Colours   Black     Strength test   Bending radius   0.79 °     Tensile strength test   55.12 lb     Connector bending test   > 10000 cycles     Inner conductor   Material   TC 11 × 0.08 mm (Ø) (OFC)     Inner conductor   Material   TC 11 × 0.08 mm (Ø) (OFC)     TC 30 × 0.08 mm (Ø) (OFC)   TC 41 × 0.08 mm (Ø) (OFC)     Inner conductor   Section   0.000078 r <sup>3</sup> Outer section   Section   0.00012 r <sup>2</sup> Outer section   Incore section   0.0002 r <sup>2</sup>		Shielding	Aluminium foil	Al-mylar, 100% coverage - 25% Overlap
Outer jacketMaterialLSHF 4.5 mm (Ø)ColoursBlackStrength testBending radius0.79 "Tensile strength test55.12 lbConnector bending test> 10000 cyclesConnector pull out force4.41 lbInner conductorMaterialTC 11 x 0.08 mm (Ø) (OFC)Inner conductorKaterialTC 11 x 0.08 mm (Ø) (OFC)SectionSocial A fiber (4x)50.125 CM3 / Fiber (4x)Inner conductorSection0.00078 "2Inner conductorSection0.00012 "2Inner conductorSection0.00022 "2			Drain wire	TC 11 x 0.08 mm (Ø) (OFC)
Colours   Black     Strength test   Bending radius   0.79 "     Tensile strength test   55.12 lb     Connector bending test   > 10000 cycles     Connector pull out force   4.41 lb     Inner conductor   Material   TC 11 × 0.08 mm (Ø) (OFC)     Inner conductor   Material   TC 19 × 0.08 mm (Ø) (OFC)     Consector pull out force   TC 30 × 0.08 mm (Ø) (OFC)     Consector pull consector   TC 41 × 0.08 mm (Ø) (OFC)     Section   0.00078 "4     On0012 "A   0.00022 "A	Overall shielding	Aluminium foil		Al-mylar, 100% coverage - 25% Overlap
Strength test   Bending radius   0.79 "     Iner conductor   Tensile strength test   55.12 lb     Inner conductor   Connector bending test   > 10000 cycles     Inner conductor   Material   TC 11 x 0.08 mm (Ø) (OFC)     Inner conductor   Material   TC 19 x 0.08 mm (Ø) (OFC)     Inner conductor   TC 30 x 0.08 mm (Ø) (OFC)   TC 41 x 0.08 mm (Ø) (OFC)     Inner conductor   Section   0.00078 "2     Inner conductor   Section   0.00012 "4	Outer jacket	Material		LSHF 4.5 mm (Ø)
Tensile strength test   55.12 lb     Connector bending test   > 10000 cycles     Connector pull out force   4.41 lb     Inner conductor   Material   TC 11 x 0.08 mm (Ø) (OFC)     TC 19 x 0.08 mm (Ø) (OFC)   TC 30 x 0.08 mm (Ø) (OFC)     Inner conductor   Section   50/125 OM3 / Fiber (4x)     Section   0.00012 "2   0.00022 "2		Colours		Black
Connector bending test   > 10000 cycles     Connector pull out force   4,41 lb     Inner conductor   Material     TC 11 x 0.08 mm (Ø) (OFC)   TC 19 x 0.08 mm (Ø) (OFC)     Inner conductor   TC 30 x 0.08 mm (Ø) (OFC)     Inner conductor   Section     Section   0.00078 "2     Inner conductor   0.00022 "2	Strength test	Bending radius		0.79 "
Connector pull out force   4.41 lb     Inner conductor   Material     TC 11 x 0.08 mm (Ø) (OFC)   TC 19 x 0.08 mm (Ø) (OFC)     Inner Conductor   TC 30 x 0.08 mm (Ø) (OFC)     Inner Conductor   TC 41 x 0.08 mm (Ø) (OFC)     Inner Conductor   Section     Inner Conductor   0.00078 "2     Inner Conductor   0.00022 "2		Tensile strength test		55.12 lb
Inner conductor   Material   TC 11 x 0.08 mm (Ø) (OFC)     Inner conductor   TC 19 x 0.08 mm (Ø) (OFC)   TC 30 x 0.08 mm (Ø) (OFC)     Inner conductor   TC 41 x 0.08 mm (Ø) (OFC)   TC 41 x 0.08 mm (Ø) (OFC)     Inner conductor   Section   Section   Section     Inner conductor   Inner conductor   Section   Section		Connector bending test		> 10000 cycles
TC 19 x 0.08 mm (Ø) (OFC)     TC 30 x 0.08 mm (Ø) (OFC)     TC 41 x 0.08 mm (Ø) (OFC)     Section     Section     0.000078 "2     0.00012 "2     0.00022 "2		Connector pull out force		4.41 lb
TC 30 × 0.08 mm (Ø) (OFC)     TC 41 × 0.08 mm (Ø) (OFC)     50/125 OM3 / Fiber (4x)     Section   0.00078 "2     0.00012 "2     0.00022 "2	Inner conductor	Material		TC 11 x 0.08 mm (Ø) (OFC)
TC 41 x 0.08 mm (Ø) (OFC)     50/125 OM3 / Fiber (4x)     Section   0.000078 "2     0.00012 "2   0.00022 "2				TC 19 x 0.08 mm (Ø) (OFC)
50/125 OM3 / Fiber (4x)     Section   0.00078 "2     0.00012 "2   0.00022 "2				TC 30 x 0.08 mm (Ø) (OFC)
Section     0.00078 "2       0.00012 "2     0.00022 "2				TC 41 x 0.08 mm (Ø) (OFC)
0.00012 " <sup>2</sup> 0.00022 " <sup>2</sup>				50/125 OM3 / Fiber (4x)
0.00022 "2		Section		0.000078 "2
				0.00012 "2
				0.00022 "2
0.00039 "2				0.00039 "2
Number of conductors 12		Number of conductors		12
Conductor twisting Yes		Conductor twisting		Yes

## Mechanical Characteristics:

Temperature range Fixed installation - 32 °F till + 167 °F

## Variants:

- CLV220A/10 10 meter
- CLV220A/15 15 meter
- CLV220A/20 20 meter
- CLV220A/30 30 meter
- CLV220A/40 40 meter
- CLV220A/50 50 meter
- CLV220A/70 70 meter
- CLV220A/100 100 meter