HALO-HC**M Technical Specifications

High-Speed HDMI® with Ethernet Copper Cable
Rev. 220117

The HALO-HC**M passive series is lengths from 0.3 meters through 8 meters.   This series features passive connectivity without the need for equalization and boost. The lengths 3 meters and less are designed to be more flexible for rack and behind the display routing. Lengths 4 meters to 8 meters are rated for in-wall installations.

The HALO-HC passive series is designed to obtain the smallest diameter applicable for the signal and retain the bandwidth. The overall cable is dual shielded with a full coverage foil shield and an 65% coverage dual weave braid shield. Unlike many cables on the market, the connectors feature full shielding over the solder joints instead of drain wire under a pre-mold. These cables are fully shielded from connector shroud to connector shroud. All contact surfaces are gold plated for conductivity, durability, and resistance to tarnish.
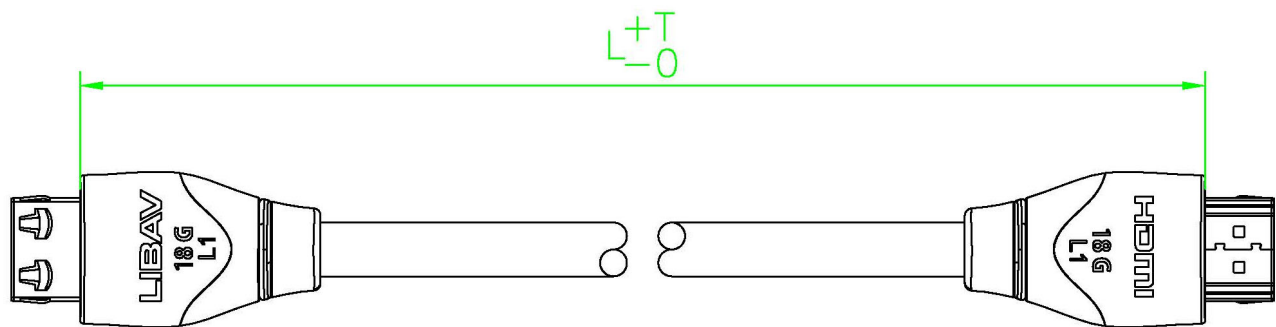
Liberty's new Space themed lines offer new features carried across the lines. The HALO series offer Liberty's High Retention L-Grip feature for retention 3 times the normal standard. The heads are printed with the cable bandwidth and the cable length for ease of identification. The HALO series offer the Orbit ID rings in each package so an installer can color code the connectivity. Shorter lengths of the HALO Line are also available in Master Bulk Packs.

Key Features:

- 4K60 4:4:4 18Gbps Bandwidth
- 0.3 to 3m AWM rated
- 4m and up are CL2 and CMG FT4
- High Retention HDMI plugs
- Orbit ID Rings
- Oxygen Free Copper
- Solid Core Conductors

Key Applications:

- HDMI Extension and Routing
- Digital Signage
- Projector HDMI feed
- Boardroom, Collaboration
- Education
- Home Theater

Note: The HALO series offers multiple AWG sizes depending on length and bandwidth. A separate Technical Specification table and part number listing is listed in the following pages based on the differing cable sizes. The pages are set up as stand-alone for ease of extract.

HALO-HC00.3M to HALO-HC02M

Technical Specifications – 0.3 to 2m lengths 30 AWG	
I/O Connections	
HDMI	Male HDMI Type A connector with L-Grip and Gold-Plated Shroud and contacts
Supported Audio and Video	
Maximum Video Compatibility	HDMI 2.0b 4K@60Hz 4:4:4 Chroma (2160p) 1080p 3D, 21:9 (True cinema), Multi stream video and audio, deep color x.v.Color™
Video Compliance	HDMI 2.0, HDCP 2.3, HDR
Embedded Audio	All HDMI supported Audio Formats
HEAC Support	Yes, supports Ethernet and eARC
CEC Support	Yes
Maximum Bandwidth	18.0 Gbps
Cable Construction	
HDMI Hood Material	Molded two-tone Blue and Black PVC
HDMI Hood Dimensions	32.5mm x 20.9mm x 11.35mm | 1.28 x 0.82 x 0.45 inch
Jacket Material	Lead Free Polyvinyl Chloride (PVC)
Cable Construction	Solid Core Oxygen Free Copper: 30AWG/5PSH+30AWG/4C
Overall Cable Diameter	6.0 mm | 0.236 inch
Minimum Bend Radius	Unloaded: 60 mm | 2.36in, Loaded: 120mm | 4.72in
Shielding	100% Aluminum Foil + 65% 16x9/12 AL-MG Dual Braid shield
Maximum Tensile Load	20 kg | 44 lbs
Environmental Requirements	
Operating Temperature	0° to 75° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +122° F)
Storage Humidity	20% to 85%, Non-condensing
Regulatory	
Regulatory	UL AWM 20276, RoHS Compliant, REACH Compliant, CE
CA Prop 65 Warning	https://secure.libertycable.com/california-proposition-65
Other	
Warranty	Limited Lifetime Warranty
TAA	TAA Compliant – Made in Taiwan
Package	Re-sealable Retail bag
Orbit ID Rings	Rubber: 9 colors: White,Green,Red,Blue,Teal,Pink,Purple,Yellow,Orange

Part Number listing for HALO 30 AWG Passive Cables

Part Numbers	Part Description	Cable Length	Bulk Pack P/N (Quantity)
HALO-HC00.3M	HALO 18G HDMI CBL AWM BLK 0.3M	0.3 meters / 1 foot	No
HALO-HC00.6M	HALO 18G HDMI CBL AWM BLK 0.6M	0.6 meters / 2 feet	HALO-HC00.6MBP (35)
HALO-HC01M	HALO 18G HDMI CBL AWM BLK 1.0M	1 meter / 3 feet	HALO-HC01MBP (30)
HALO-HC01.5M	HALO 18G HDMI CBL AWM BLK 1.5M	1.5 meters / 5 feet	HALO-HC01.5MBP (25)
HALO-HC02M	HALO 18G HDMI CBL AWM BLK 2.0M	2 meters / 6 feet	HALO-HC02MBP (20)

HALO-HC02.5M to HALO-HC03M

Technical Specifications – 2.5 to 3.0m lengths 28 AWG	
I/O Connections	
HDMI	Male HDMI Type A connector with L-Grip and Gold-Plated Shroud and contacts
Supported Audio and Video	
Maximum Video Compatibility	HDMI 2.0b 4K@60Hz 4:4:4 Chroma (2160p) 1080p 3D, 21:9 (True cinema), Multi stream video and audio, deep color x.v.Color™
Video Compliance	HDMI 2.0, HDCP 2.3, HDR
Embedded Audio	All HDMI supported Audio Formats
HEAC Support	Yes, supports Ethernet and eARC
CEC Support	Yes
Maximum Bandwidth	18.0 Gbps
Cable Construction	
HDMI Hood Material	Molded two-tone Blue and Black PVC
HDMI Hood Dimensions	35.0mm x 20.6mm x 11.4mm | 1.38 x 0.81 x 0.45 inch
Jacket Material	Lead Free Polyvinyl Chloride (PVC)
Cable Construction	Solid Core Oxygen Free Copper: 28AWG/5PSH+28AWG/4C
Overall Cable Diameter	7.3 mm | 0.287 inch
Minimum Bend Radius	Unloaded: 73 mm | 2.87in, Loaded: 146mm | 5.74in
Shielding	100% Aluminum Foil + 65% AL-MG Dual Braid shield
Maximum Tensile Load	20 kg | 44 lbs
Environmental Requirements	
Operating Temperature	0° to 75° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +122° F)
Storage Humidity	20% to 85%, Non-condensing
Regulatory	
Regulatory	UL AWM 20276, RoHS Compliant, REACH Compliant, CE
CA Prop 65 Warning	https://secure.libertycable.com/california-proposition-65
Other	
Warranty	Limited Lifetime Warranty
TAA	TAA Compliant – Made in Taiwan
Package	Re-sealable Retail bag
Orbit ID Rings	Rubber: 9 colors: White,Green,Red,Blue,Teal,Pink,Purple,Yellow,Orange

Part Number listing for HALO 28 AWG Passive Cables

Part Numbers	Part Description	Cable Length	Bulk Pack P/N (Quantity)
HALO-HC02.5M	HALO 18G HDMI CBL AWM BLK 2.5M	2.5 meters / 8 feet	HALO-HC02.5MBP (14)
HALO-HC03M	HALO 18G HDMI CBL AWM BLK 3.0M	3 meters / 10 feet	HALO-HC03MBP (10)

HALO-HC04M to HALO-HC06M

Technical Specifications – 4.0 to 6.0m lengths 26 AWG	
I/O Connections	
HDMI	Male HDMI Type A connector with L-Grip and Gold-Plated Shroud and contacts
Supported Audio and Video	
Maximum Video Compatibility	HDMI 2.0b 4K@60Hz 4:4:4 Chroma (2160p) 1080p 3D, 21:9 (True cinema), Multi stream video and audio, deep color x.v.Color™
Video Compliance	HDMI 2.0, HDCP 2.3, HDR
Embedded Audio	All HDMI supported Audio Formats
HEAC Support	Yes, supports Ethernet and eARC
CEC Support	Yes
Maximum Bandwidth	18.0 Gbps
Cable Construction	
HDMI Hood Material	Molded two-tone Blue and Black PVC
HDMI Hood Dimensions	35.0mm x 20.5mm x 11.0mm | 1.38 x 0.81 x 0.43 inch
Jacket Material	Lead Free Polyvinyl Chloride (PVC)
Cable Construction	Solid Core Oxygen Free Copper: 26AWG/5PSH+26AWG/4C
Overall Cable Diameter	8.0 mm | 0.315 inch
Minimum Bend Radius	Unloaded: 80 mm | 3.15in, Loaded: 160mm | 6.30in
Shielding	100% Aluminum Foil + 65% AL-MG Dual Braid shield
Maximum Tensile Load	20 kg | 44 lbs
Environmental Requirements	
Operating Temperature	0° to 75° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +122° F)
Storage Humidity	20% to 85%, Non-condensing
Regulatory	
Regulatory	NEC CL2, CEC CMG FT4, RoHS Compliant, REACH Compliant, CE
CA Prop 65 Warning	https://secure.libertycable.com/california-proposition-65
Other	
Warranty	Limited Lifetime Warranty
TAA	TAA Compliant – Made in Taiwan
Package	Re-sealable Retail bag
Orbit ID Rings	Rubber: 9 colors: White,Green,Red,Blue,Teal,Pink,Purple,Yellow,Orange

Part Number listing for HALO 26 AWG Passive Cables

Part Numbers	Part Description	Cable Length	Bulk Pack P/N (Quantity)
HALO-HC04M	HALO 18G HDMI CBL CL2 BLK 4.0M	4 meters / 13 feet	HALO-HC04MBP (6)
HALO-HC05M	HALO 18G HDMI CBL CL2 BLK 5.0M	5 meters / 16 feet	No
HALO-HC06M	HALO 18G HDMI CBL CL2 BLK 6.0M	6 meters / 20 feet	No

HALO-HC08M

Technical Specifications – 8.0m lengths 24 AWG	
I/O Connections	
HDMI	Male HDMI Type A connector with L-Grip and Gold-Plated Shroud and contacts
Supported Audio and Video	
Maximum Video Compatibility	HDMI 2.0b 4K@60Hz 4:4:4 Chroma (2160p) 1080p 3D, 21:9 (True cinema), Multi stream video and audio, deep color x.v.Color™
Video Compliance	HDMI 2.0, HDCP 2.3, HDR
Embedded Audio	All HDMI supported Audio Formats
HEAC Support	Yes, supports Ethernet and eARC
CEC Support	Yes
Maximum Bandwidth	18.0 Gbps
Cable Construction	
HDMI Hood Material	Molded two-tone Blue and Black PVC
HDMI Hood Dimensions	35.0mm x 20.5mm x 11.0mm	1.38 x 0.81 x 0.43 inch
Jacket Material	Lead Free Polyvinyl Chloride (PVC)
Cable Construction	Solid Core Oxygen Free Copper: 24AWG/5PSH+24AWG/4C
Overall Cable Diameter	9.0 mm	0.354 inch
Minimum Bend Radius	Unloaded: 90 mm	3.55in, Loaded: 180mm	7.10in
Shielding	100% Aluminum Foil + 65% AL-MG Dual Braid shield
Maximum Tensile Load	20 kg	44 lbs
Environmental Requirements	
Operating Temperature	0° to 75° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +122° F)
Storage Humidity	20% to 85%, Non-condensing
Regulatory	
Regulatory	NEC CL2, CEC CMG FT4, RoHS Compliant, REACH Compliant, CE
CA Prop 65 Warning	https://secure.libertycable.com/california-proposition-65
Other	
Warranty	Limited Lifetime Warranty
TAA	TAA Compliant – Made in Taiwan
Package	Re-sealable Retail bag
Orbit ID Rings	Rubber: 9 colors: White,Green,Red,Blue,Teal,Pink,Purple,Yellow,Orange

Part Number listing for HALO 24 AWG Passive Cables

Part Numbers	Part Description	Cable Length	Bulk Pack
HALO-HC08M	HALO 18G HDMI CBL CL2 BLK 8.0M	8 meters / 26 feet	No

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

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