



### PRODUCT DESCRIPTION

- Designed for a variety of entertainment, display and gaming applications. Hyperline HDMI cables are a high-quality cable featuring multi-stranded copper conductors for highest possible signal strength and maximum frequency response.

### FEATURES

- Gold-plated connectors for highest signal transfer rate and resistance in corrosion
- Fully RoHS & CSA compliant
- Withstanding voltage: 300 VDC - 0.1 sec
- Insulation resistance: 3Mohm - 300VDC
- Full support 480i, 480p, 720p, 1080i, 1080p, 1044P, 2160P resolution
- HDMI Ethernet Channel, Audio Return Channel
- 3D Support, 4K x 2K Support

### ELECTRICAL CHARACTERS

Voltage Rating	30V
Temperature Rating	80 °C
Dielectric Strength	AC-500V/MIN
Insulation Resistance	100 M (OHMS/KM MIN @ 20 °C)
Conductor Resistance	361 (OHMS/KM MAX @ 20 °C 30 AWG)
Characteristic Impedance	100 ± 10 Ω (TDR)
Intra-Pair Skew	112ps/cable
Inter-Pair Skew	1.78ns/cable
Fext	-20dB/cable @1~500MHz (max)
HEAC	1. Impedance: Pairs (differential mode) 100 ± 10 Ω 2. Attenuation: @ 0.30 ~10MHz @ 1.6dB, @ 10~100MHz@5.0dB/3.0m, @100~200MHz@7.1dB 3. Propagation Delay Skew: 111ps/cable

### PRODUCT CHARACTERISTICS

- Insertion force is 4.5 kgf max.
- Withdraw force - pull out force is within 1 kg - 4kgf
- Plug in times: 10,000
- Insulation strength: AC 500 V of the phase collar terminal cannot be broken down. DC 500 V, Minimum is 100 M

### PHYSICAL CHARACTERS

Flame Test	/
Tensile strength before aging	Jacket: >1.05kgf/mm <sup>2</sup>
Tensile strength after aging	Jacket: >70%
Elongation before aging	Jacket: >100%
Elongation after aging	Jacket: >65%



## ATTENUATION

Frequency (MHz)	300KHz~825MHz	825MHZ~2.475GHz	2. 475GHz~4. 125GHz	4.125GHz~5. 1GHz
Attenuation (MIN) dB/cable	<5dB	<5dB~<12dB	<12dB~20dB	<20dB~25dB

## CONSTRUCTION

Conductor	Construction	mm	A	B
			1/0.254 ± 0.008	1/0.254 ± 0.008
	Material	/	Bare Solid Copper Conductor	
	OD	mm	/	/
Insulation	Material	/	Foam-Skin PE	HDPE
	OD	mm	0.70 ± 0.65	0.55 ±0.05
	Average Thickness	mm	0.22	0.14
	Colour	/	1P: White & Brown 2P: White & Red 3P: White & Green 4P: White & Blue 5P: White & Orange	6: Red 7: Orange 8: Yellow 9: White
Inner Assemble	OD	mm	1.40 (REF)	/
Drain Wire	Construction	mm	1/0.254±0.008	/
	Material	/	Bare Solid Copper	/
	Insulation	mm	LDPE OD:0.50 ±0.05	/
	Colour	/	Nature	/
Inside Tape Wrap	Material	/	AL-Mylar	/
	Conductive	/	Inside	/
	Overlap Rate	%	25%	/
Tape Wrap	Material	/	Mylar	/
	Overlap Rate	/	25%	/
Assemble	OD	mm	4.0 (REF) + Filler	
Outside Tape Wrap	Material	/	AL-Mylar	
	Conductive	/	Outside	
	Overlap Rate	%	25%	
Outside Shield	Shield	/	Braid Shield	
	Construction	/	16/8/0.120±0.008	
	Material	/	Aluminum Magnesium Alloy Wire	
	Coverage	%	85%	
Jacket	Material	/	PVC	
	Average Thickness	mm	0.65	
	Colour	/	Black	
	Diameter	/	0.60 ± 0.15	
Marking	Marking	/	Hyperline E485017-LY2 High Speed Cable with Ethernet Riser 18Gbps 2160p 75 ° CSA271817 – FT4	

## ORDERING

PC-HDMI-12ALMG-18GBPS-XX-BK	HDMI Patch Cord
XX = 3, 6, 10 FT	



Toll Free: +1-866-634-9737

www.hyperline.com | info@hyperline.com



Toll Free: +1-888-497-3748