



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	24 AWG: 85.9 OHMS/KM Max 20°C 26 AWG: 218 OHMS/KM Max 20°C 28 AWG: 388 OHMS/KM Max 20°C
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: 10000
- 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 ²
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
			1/0.50± 0.010	1/0.32 ± 0.010
	Material	/	Bare Solid Copper Conductor	
Insulation	OD	mm	/	/
	Material	/	Fope+Skin	HDPE
	OD	mm	1.50 ± 0.05	0.70 ±0.05
	Average Thickness	mm	0.50	0.18
Drain Wire	Colour	/	1P~5P White & Green	6: Red 7: Yellow 8: White 9: Orange
	Construction	mm	1/0.320±0.010	/
	Material	/	Bare Solid Copper	/
	Insulation	mm	LDPE OD:0.70 ±0.05	/
Shielding	Colour	/	Nature	/
	Material	/	AL-Mylar	/
	Conductive	/	Inside	/
Warp Tape 1	Overlap Rate	%	25%	/
	Material	/	Mylar 1P: (Red) 2P: (Green) 3P: (Blue) 4P:(Yellow) 5P: (Silver)	/
	Overlap Rate	/	25%	/
Assemble	OD	mm	7.0 (REF) + Filler	
Warp Tape 2	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	
Jacket	Material	/	PVC (Low Metal)	
	Diameter	mm	9.0 ± 0.20	
	Average Thickness	mm	0.65	
	Colour	/	Black	
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 = 30, 35, 50FT	



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