



Technical Data Sheet

R.4 48Gbps Rack and Marine Passive HDMI Cable



Designed for high performance applications

The Kordz R.4 48Gbps Rack and Marine Passive HDMI Cable is engineered for precision rack builds and marine installations, delivering uncompressed 8K performance with DPL Labs Enhanced 48Gbps Reference Standard certification. Its 2kg retention die-cast HDMI connector, compact profile and 0.3m length increments support accurate rack dressing, while the full metal internal casing provides superior EMI rejection. A class-leading 95% copper braid shield and reduced overall cable diameter ensure flexibility and reliability in dense environments. Built with a marine-grade LSZH cable, the R.4 offers reliability, efficiency and confidence for critical HDMI installations.

- Supports full 48Gbps bandwidth for uncompressed 8K video transmission
- DPL Labs Enhanced 48Gbps Reference Standard tested for guaranteed performance
- Secure 2kg retention die-cast HDMI connector resists vibration marine environments
- Compact connector assembly for improved access in tight rack spaces
- Full metal internal casing and class-leading 95% copper braid shield for enhanced EMI rejection
- Slim cable construction for improved routing and airflow in dense installations
- 0.3m length increments up to 3m for precise rack dressing
- LSZH cable meeting IEC60332, IEC60754 and IEC61034 requirements for marine suitability
- Individually performance tested
- Lifetime warranty



Technical Specifications

HDMI Cable Certification

HDMI Certification	High Speed with Ethernet
Supported HDMI Data Rate	48Gbps (12Gbps per lane)
Other HDMI Features	Supports all HDMI2.1 features

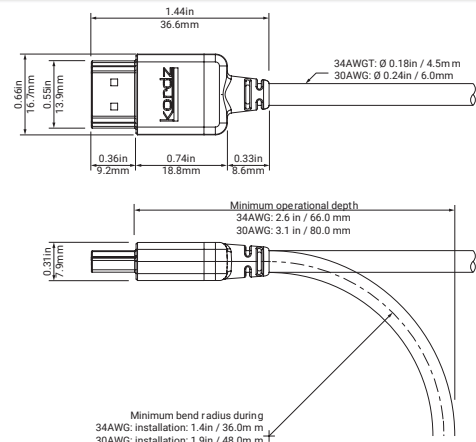
Construction

Primary Conductors	0.3m - 2.1m: Solid 34AWG OFC 2.4m - 3.0m: Solid 30AWG OFC	
Insulation	FRL/TMDS Pairs	Polyethylene
	4C + HEAC Pairs	Polyethylene
Shielding	FRL/TMDS Pairs	AL/Mylar, 125% Coverage
	Overall	AL/Mylar 125% coverage + Copper braid 95% coverage
Cable Jacket Material	IEC60332-1 LSZH Composite	
HDMI Connector Shell	Anti-fatigue die-cast Zn alloy, 1µ" 24K Gold plated	
HDMI Connector Pins	Solid OFC, 15µ" 24K Gold plated	
Termination	High frequency soldering	

Mechanical

Cable Diameter	0.3m - 2.1m: 4.5mm/0.18"ø 2.4m - 3.0m: 6.0mm/0.24" ø	
Mounting Depth	0.3m - 2.1m: 36mm/1.42in 2.4m - 3.0m: 48mm/1.89in	
Cable Bend Radius	0.3m - 2.1m: 36mm/1.42in 2.4m - 3.0m: 48mm/1.89in	
Connector Retention Force	20N (approx 2kg / 4.4lbs) +10/-5%	

Part No	Length	AWG	Technology	Inner Ctn Qty	Master Ctn Qty
K46422-0030-CH	0.3m	34	Passive	20	120
K46422-0060-CH	0.6m	34	Passive	15	90
K46422-0090-CH	0.9m	34	Passive	15	90
K46422-0120-CH	1.2m	34	Passive	15	90
K46422-0150-CH	1.5m	34	Passive	12	72
K46422-0180-CH	1.8m	34	Passive	10	60
K46422-0210-CH	2.1m	34	Passive	10	60
K46422-0240-CH	2.4m	30	Passive	12	36
K46422-0270-CH	2.7m	30	Passive	12	36
K46422-0300-CH	3.0m	30	Passive	10	30



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