



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 connectors, compact profile and 0.3m length increments support accurate rack dressing, while the full metal internal casing provides superior EMI rejection. A class-leading 100% 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 100% 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	18	108
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	12	72
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	10	30
K46422-0300-CH	3.0m	30	Passive	10	30

Kordz products are sold with a limited warranty as outlined at: www.kordz.com ©2026 Kordz International. All rights reserved. Kordz Connectivity. Assured & Kordz range logos are trademarks or registered trademarks of Kordz International in Hong Kong and in other countries. All other trademarks are the property of their respective owners.

