



Technical Data Sheet

R.4 48Gbps Rack and Marine Passive HDMI Cable



Designed for high performance applications

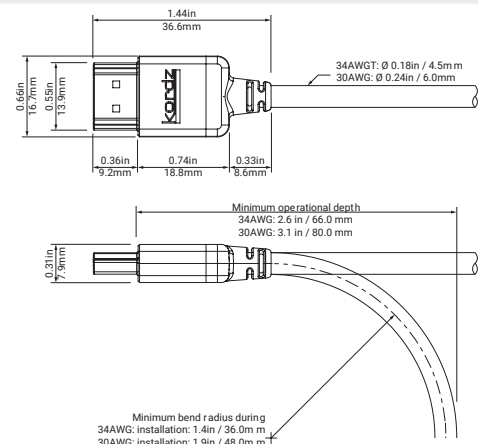
The Kordz R.4 48Gbps Rack and Marine Passive HDMI Cable is engineered for precision rack builds and marine installations, delivering uncompressed 8K performance with DPL Labs Enhanced 48Gbps Reference Standard certification. Its 2kg retention die-cast HDMI connector, compact profile and 0.3m length increments 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 | 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 |



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