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## VAN DAMME HIGH SPEED HDMI RANGE



The Van Damme HDMI cable range comprises High Speed, High Speed with Ethernet and active Redmere High Speed with Ethernet assemblies. All are HDMI 2.0 compatible for use with display resolutions up to 4K 60 Hz 4:2:2. The flexible precision cable has individually screened foam skin polyethylene insulated TMDS pairs with additional overall foil and dense copper braided screen, ensuring accurate transmission.

### Part Numbers and Description

104-102-201H	1m High Speed
104-104-202H	2m High Speed
104-106-203H	3m High Speed
104-108-205H	5m High Speed
104-110-207H	7.5m High Speed
104-102-401HE	1m High Speed + Ethernet
104-104-402HE	2m High Speed + Ethernet
104-106-403HE	3m High Speed + Ethernet
104-108-405HE	5m High Speed + Ethernet
104-112-210	10m active High Speed + Ethernet
104-114-215	15m active High Speed + Ethernet

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## Applications

- For interconnection of HDMI devices and displays
- Optimised for 1080p, 2K, 4K and WQXGA screen resolutions
- Backwards compatible with all earlier HDMI resolutions
- Active 10 m and 15 m assemblies for glitch free longer runs

## Application Notes

- Precision cable with screened TMDS pairs, overall foil and braided screen
- Active Redmere assemblies are directional, the chipped end (plastic connector) is connected at the screen/monitor end

## Specification

### 1 m, 2 m:

TMDS (& HEAC) Pairs	Conductor	7 x 0.10 mm tinned copper
	Conductor size	7 x 0.10 mm, 0.073 mm <sup>2</sup> , AWG 30
	Insulation	Foamed polyethylene
	Screen	Aluminium/Polyester foil
	Drain wire	7 x 0.10 mm tinned copper
CEC, SCL, SDA, +5V Conductor	Conductor	7 x 0.10 mm tinned copper
	Conductor size	7 x 0.10 mm, 0.073 mm <sup>2</sup> , AWG 30
	Insulation	Polyethylene
Overall screen 1		Aluminium/Polyester foil
Overall screen 2		16 x 10 x 0.10 tinned copper braid, > 85%
Overall Jacket		Flexible PVC Composite Jet Black RAL 9005
Overall diameter		6.00 ± 0.15 mm

### 3 m, 5 m:

TMDS (& HEAC) Pairs	Conductor	7 x 0.12 mm tinned copper
	Conductor size	7 x 0.12 mm, 0.081 mm <sup>2</sup> , AWG 28
	Insulation	Foamed polyethylene
	Screen	Aluminium/Polyester foil
	Drain wire	7 x 0.12 mm tinned copper
CEC, SCL, SDA, +5V Conductor	Conductor	7 x 0.12 mm tinned copper
	Conductor size	7 x 0.12 mm, 0.081 mm <sup>2</sup> , AWG 30
	Insulation	Polyethylene
Overall screen 1		Aluminium/Polyester foil
Overall screen 2		16 x 10 x 0.10 tinned copper braid, > 85%
Overall Jacket		Flexible PVC Composite Jet Black RAL 9005
Overall diameter		7.30 ± 0.15 mm

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**7.5 m:**

TMDS Pairs	Conductor	7 x 0.20 mm tinned copper
	Conductor size	7 x 0.20 mm, 0.22 mm <sup>2</sup> , AWG 24
	Insulation	Foam skin polyethylene
	Screen	Aluminium/Polyester foil
	Drain wire	7 x 0.20 mm tinned copper
CEC, SCL, SDA, +5V Conductor	Conductor	7 x 0.20 mm tinned copper
	Conductor size	7 x 0.20 mm, 0.22 mm <sup>2</sup> , AWG 24
Overall screen 1	Insulation	Polyethylene
Overall screen 2		Aluminium/Polyester foil
Overall Jacket		16 x 10 x 0.10 tinned copper braid, > 85%
Overall diameter		Flexible PVC Composite Jet Black RAL 9005 9.00 ± 0.15 mm

**Active 10 m & 15 m**

TMDS Pairs	Conductor	7 x 0.12 mm tinned copper
	Conductor size	7 x 0.12 mm, 0.081 mm <sup>2</sup> , AWG 28
	Insulation	Foam skin polyethylene
	Screen	Aluminium/Polyester foil
	Drain wire	7 x 0.12 mm tinned copper
HEAC Pair	Conductor	7 x 0.20 mm tinned copper
	Conductor size	7 x 0.20 mm, 0.22 mm <sup>2</sup> , AWG 24
	Insulation	Foam skin polyethylene
Drain wire	Screen	Aluminium/Polyester foil
	Conductor	7 x 0.12 mm tinned copper
	Conductor size	7 x 0.20 mm, 0.22 mm <sup>2</sup> , AWG 24
CEC, SCL, SDA, +5V Conductor	Insulation	High density polyethylene
	Conductor size	7 x 0.20 mm, 0.22 mm <sup>2</sup> , AWG 24
Overall screen 1	Insulation	Aluminium/Polyester foil
Overall screen 2		24 x 8 x 0.12 tinned copper braid, > 85%
Overall Jacket		Flexible PVC Composite Jet Black RAL 9005
Overall diameter		8.00 ± 0.15 mm

**Standards and Compliance**

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals