

# Digital Visual Interface (DVI) to High-Definition Multimedia Interface (HDMI™) Cable

HDMI™ is the latest high-definition digital audio and video standard. Unlike the older DVI standard, HDMI provides both video and audio information to the attached device. However, the HDMI interface is backward compatible with DVI.

Subscribers with DVI-equipped televisions can connect to the HDMI port on their HD set-top with the Scientific-Atlanta Digital Visual Interface (DVI) to High-Definition Multimedia Interface (HDMI) cable along with a separate audio connection.

### Features

- Allows you to connect an HDMI port on the set-top to a DVI port
- Provides a convenient 3-meter length
- Includes HDMI Type A connector
- Works *only* with a digital display (analog connections are not supported)
- Works *only* with single-link connections (dual-link not supported)
- Supports HDCP 1.1
- Supports DVI 1.0

### Specifications

| Specification      | Value                                       |
|--------------------|---------------------------------------------|
| Cable Length       | 3 meter (9.88 feet)                         |
| Cable Diameter     | 0.7 mm                                      |
| Connector material | Phosphor Bronze                             |
| Overmold           | Black PVC                                   |
| Cable Shield       | Heatproof PVC                               |
| No. Pins           | 24 pins and 19 pins                         |
| Wire               | 28AWG Twinax copper-plated copper conductor |

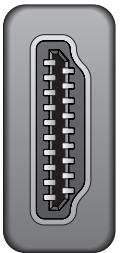


**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE

DVI  
Connector



HDMI  
Connector



T11462



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## Specifications

### HDMI to DVI-D Cable PIN Assignments

| HDMI Pins | Signal Name        | DVI-D Pins |
|-----------|--------------------|------------|
| 1         | TMDS Data2+        | 2          |
| 2         | TMDS Data2 Shield- | 3          |
| 3         | TMDS Data2-        | 1          |
| 4         | TMDS Data1+        | 10         |
| 5         | TMDS Data1 Shield  | 11         |
| 6         | TMDS Data1-        | 9          |
| 7         | TMDS Data0+        | 18         |
| 8         | TMDS Data0 Shield  | 19         |
| 9         | TMDS Data0-        | 17         |
| 10        | TMDS Clock+        | 23         |
| 11        | TMDS Clock Shield  | 22         |
| 12        | TMDS Clock-        | 24         |
| 15        | DDC Clock          | 6          |

| HDMI Pins  | Signal Name                                   | DVI-D Pins |
|------------|-----------------------------------------------|------------|
| 16         | DDC Data                                      | 7          |
| 17         | DDC/CEC Ground                                | 15         |
| 18         | +5V Power                                     | 14         |
| 19         | Hot Plug Detect                               | 16         |
| 13         | Not Used - Consumer Electronics Control (CEC) |            |
| 14         | Reserved (in cable but N.C. on device)        |            |
|            | TMDS Data 4-                                  | 4          |
|            | TMDS Data 4                                   | 5          |
|            | TMDS Data 3-                                  | 12         |
|            | TMDS Data 3+                                  | 13         |
|            | TMDS Data 5-                                  | 20         |
|            | TMDS Data 5+                                  | 21         |
| No Connect | N.C.                                          | 8          |

## Ordering Information

Contact your Sales Representative for availability in your area.

| PART NUMBER     | PRODUCT PHOTO                                                                       | DESCRIPTION                                                                                        |
|-----------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1002056 (10 ft) |  | HDMI to DVI Cable (for use in connecting the HDMI port on the set-top to older DVI-equipped HDTVs) |
| 1002048 (10 ft) |  | HDMI to HDMI Cable                                                                                 |



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