

HiFi Test TV-VIDEO

Für alle Flat-TV-Besitzer:



Bild und Ton besser m...

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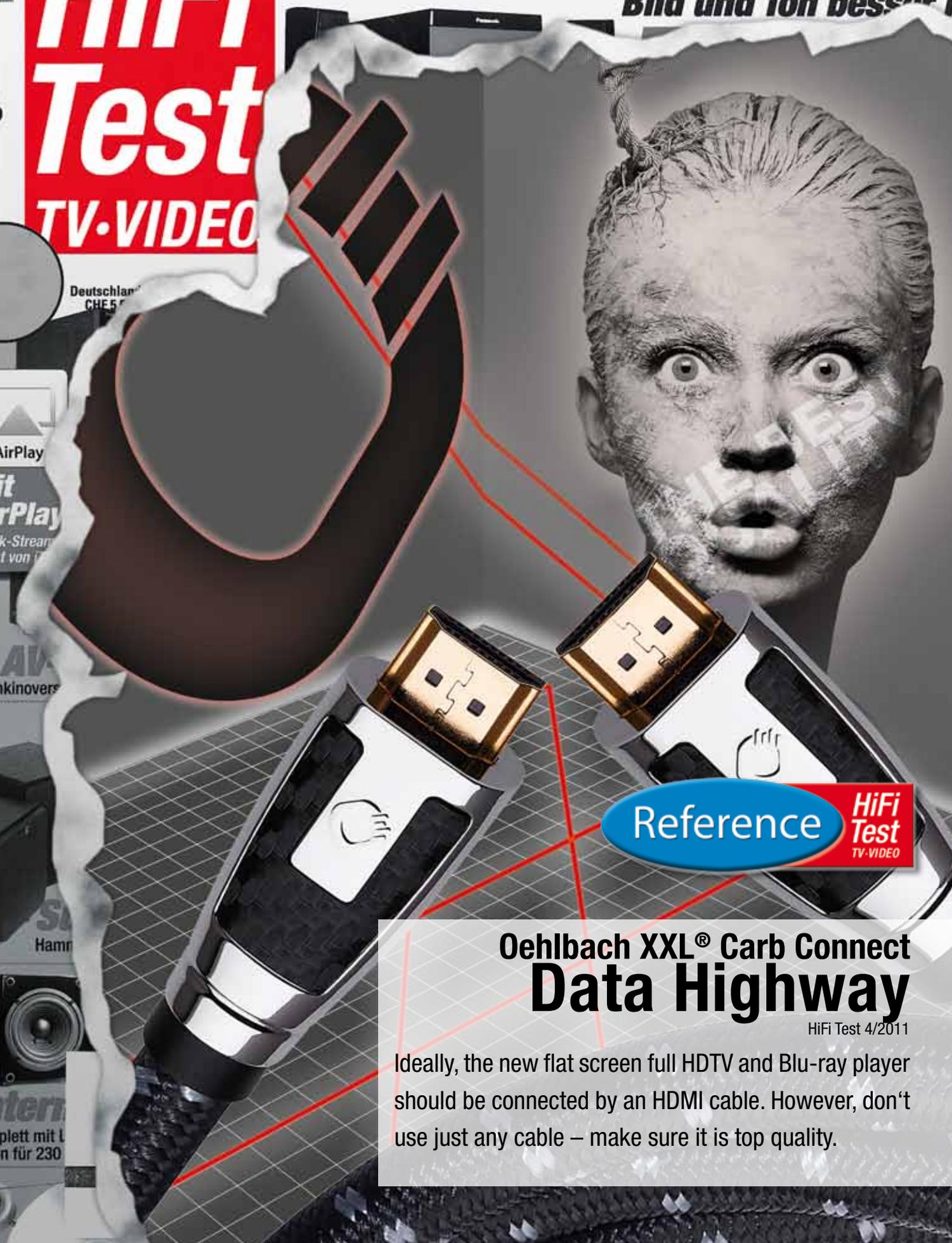


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Reference **HiFi
Test**
TV-VIDEO

Oehlbach XXL® Carb Connect Data Highway

HiFi Test 4/2011

Ideally, the new flat screen full HDTV and Blu-ray player should be connected by an HDMI cable. However, don't use just any cable – make sure it is top quality.

In an age of full HD and Blu-ray, picture and sound data from the player to TV are digitally transmitted over an HDMI cable. This virtually replaces the good old analog SCART connection. HDMI cables are slimmer and have considerably more compact connectors than the bulky SCART cable, but for the HDMI format, the devil is in the details.

High data rate

Due to digital encryption of picture and sound, enormous volumes of data are sent over the fine wires of the HDMI cable, bandwidths of several gigabits per second are not uncommon. Therefore, developers and manufacturers of such HDMI cables and interfaces have to deal with high frequency technology to prevent the loss of data bits in transit. For HDMI, aspects such as shielding, cable capacity and contact stability of the tiny connectors come more into play than with other cable types.

Multifunctional

In addition to picture and sound data, a number of other signals and information is transmitted via HDMI. The international HDMI standard, which includes some additional features in the current 1.4 version, provides information about these specifications. This includes network connection, audio return channel, 3D capability, improved performance and new plug connections. For easy network integration, some HDMI cables have an additional HDMI Ethernet channel. With such an HDMI Ethernet channel, for example, Internet-ready HDMI devices can share their Internet connection with other HDMI devices, which no longer require an additional network cable. Specification 1.4 adds a so-called audio return channel to the HDMI cable. This should further reduce the number of cables required for audio connections. With the audio return channel, HDTV audio signals are returned to the AV receiver. That always makes sense when a turner is already integrated in the HDTV, thus functioning as the audio source.

3D and HDMI

When connecting 3D-ready screens and 3D Blu-ray players, a state-of-the-art 1.4 HDMI cable is vital to ensure seamless operation in 3D mode.

Oehlbach XXL® Carb Connect

The German cable specialists Oehlbach has offered a huge range of cables for consumer electronics for decades. Oehlbach offers audio, video, speaker and HDMI cables in various levels of quality and we've taken a closer look at the 5-star „XXL® Carb Connect“ HDMI reference cable. This top-quality cable uses solid metal connectors, all contact surfaces have gold-plated several times and ensure optimal signal transfer – and for several years to come. Especially pure copper was used for the inner conductor, high-quality insulation guarantees ideal data transfer without loss. Because the XXL® Carb Connect is an HDMI-1.4 cable with high-speed Ethernet, it is perfectly suited for use in state-of-the-art AV systems with 3D and network capability. Available in 75 mm to 5 m lengths, this super-stable HDMI cable is ideal for complex systems. Our staff has used this top-quality cable for some weeks under the load of everyday use and they are thrilled with its ruggedness, contact stability and signal quality – the XXL® Carb Connect is our working equipment and „benchmark“ under HDMI cables starting immediately.

Conclusion

Don't waste picture and sound quality, take advantage of all the convenience and features offered by the HDMI 1.4 standard. Our recommendation for absolute quality at an extremely fair price is: Oehlbach XXL® Carb Connect!