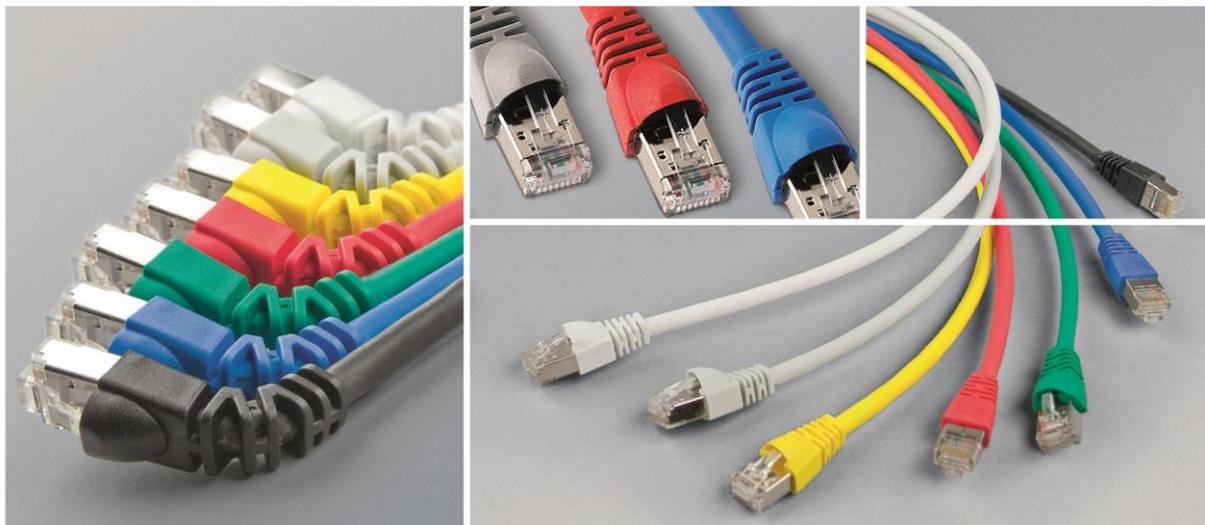


House cabling made the easy way - the trend towards structured cabling in residential buildings

Part 7: Patch cords

Patch cords are still largely neglected and are at best considered to be low-cost wearing parts. Why buy expensive patch cords when the Internet is full of low-cost products which apparently meet all the required specifications? This is a valid question as high quality patch cords go unnoticed: The data is transferred at full wire speed with a very low bit error rate. Patch cords only get noticed when there is a problem. Typically, error analysis starts with the software, then the end-user's device and the switch are checked. No one checks the cabling that has worked fine until now. So it takes a long time to find out that the transmission problems come from a cheap patch cord that has been used recently.



How can you tell whether you have got a high quality patch cord or not? Isn't it enough to rely on the component classification specified in the relevant standards? It is, but only if someone can

proof that! And testing cat. 6_A patch cords is not as easy as one might think. Physics make exact, reliable patch cords testing very complex. For a long time, such tests up to 500 MHz simply were not possible or not accurate enough.

Decades of experience in coaxial HF components have enabled Telegärtner to develop a test fixture that exceeds

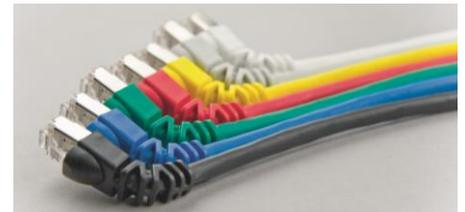


the specifications of the ISO/IEC 61935-2 Ed. 3 standard. So it is no surprise that Telegärtner was the first company worldwide that was able to test cat. 6_A patch cords reliably and reproducibly. This was supported by geographically concentrating research, development, design and manufacturing at one common site in Germany.



One point is too often ignored: In order to ensure best possible data transmission, the patch cord plugs and the jacks of panels and outlets have to be matched. Only then does the cabling offer the full performance the customer has paid for. The continuous and reliable product quality is confirmed by GHMT's PVP certification programme.

Telegärtner's high quality patch cords exceed all of the relevant standards and offer some additional innovative benefits. For example, cords with 90 degree plugs are available which come in very handy where straight outlets are installed. With 90 degree angled plugs, the cords runs neatly and hassle-free downwards.



And with a white or a black cable jacket, the cord integrates very unobtrusively into living spaces.

What is true for copper cords also applies to fiber optic cords. In apartments with fiber optic cabling, usually SC duplex or space saving LC duplex outlets will be used. Telegärtner's fiber optic patch cords come with twist-proof plugs and can be handled safely by any end-user without technical training.



Whether copper or fiber optic cords are used – quality is the most important point. Only individually tested high quality patch cords that come with an appropriate component certificate, preferably issued by an independent, vendor-neutral test lab offer high reliability.

Whether copper or fiber optic patch cords – Telegärtner has the right products.