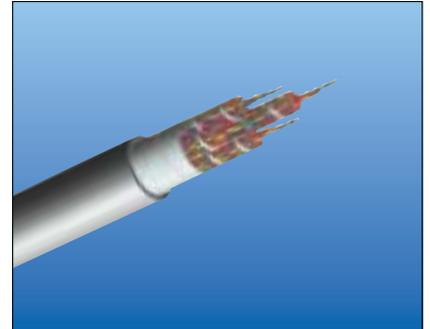


## Indoor telecom cables: twisted pairs or quads

### Reliable standard cables that can help you grow

For Central Office, you want a standard copper cable that is a good investment today, while allowing you to move easily from ADSL to ADSL 2+ and higher tomorrow. A key link in your network is the cable carrying voice and data from the Main Distribution Frame (MDF) to the Digital Subscriber Line Access Multiplexer (DSLAM) which splits the signal into separate voice and data streams. In the past you may have been tempted to use standard telecom cables with undefined transmission characteristics for low frequency applications, but now you want a cable specified up to 10 and even 60 MHz.



Nexans offers a twisted pair or quad design which is a perfect compromise between the overall cable dimension and high electrical performance. The copper diameter is 0.4 mm which corresponds to the American wire gauge AWG 26. Insulation comes in solid polyolefin or foam polyolefin for higher impedances. To ensure low crosstalk and Electromagnetic Compatibility (EMC), Nexans has chosen appropriate pair and bundle lay lengths and applies overall cable screening and/or screening of individual bundles. In case of separately screened bundles of 24, 25 and 32 pairs, you can now run ADSL, SDSL and even VDSL on one cable.

#### This Nexans solution gives you:

- **Wide availability:** with 70% market share, Nexans is continuing to sell to all major telecom players, who appreciate the ready supply of a standard product
- **Guaranteed data speeds:** we specify the electrical performance according to crosstalk, impedance and attenuation to 10 MHz and up to 60 MHz for our top line
- **Future proof:** you can easily move from ADSL and ADSL 2+ and higher using the same cables, or offer multi xDSL services simultaneously
- **Easy installation:** a smaller cable with an easily removable, non-sticking sheath; and insulation especially suitable for IDC (insulation displacement connector) or wire wrap
- **Customized color code:** can be delivered to your specifications, or national color coding
- **Excellent EMC performance:** because of good “balance” obtained by careful twisting and screening
- **Fire safety:** all cables are available in Halogen-Free, Fire-Retardant versions (HFFR)

For further information: [www.nexans.com/e-service](http://www.nexans.com/e-service)

All drawing, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation Nexans is indicative only and shall not be binding on Nexans or be tracted as constituting a representation on the part of Nexans.