



xDSL Cables

**Indoor telecom cables for
xDSL applications**



- > **Multi xDSL services**
- > **High transmission performance**
- > **Low crosstalk and Electromagnetic Compatibility (EMC)**
- > **Easy installation**
- > **Halogen-free, fire retardant**

xDSL Cables

The xDSL cables connect the Main Distribution Frame (MDF) to the Digital Subscriber Line Access Multiplexer (DSLAM). They are designed to have high transmission characteristics - up to 10 MHz or more - compared to the standard indoor telecom cables that are designed for low frequency. The copper diameter is 0.4 mm or 0.5 mm, insulation is made of solid or foam skin polyolefin and pairs are stranded in units or concentric bundles.

The cables are screened in an appropriate manner (overall cable screening and/or screening of individual bundles) in order to have an excellent EMC performances.

Main benefits



- > High transmission performance (crosstalk, impedance and attenuation) up to 10 MHz or more compared to standard copper telecom cables with limited overall cable dimension
- > Lower crosstalk and Electromagnetic Compatibility (EMC) is achieved by means of a suitable selection of the pair and bundle lay lengths and good overall cable screening and/or screening of individual bundles
- > Multi xDSL services simultaneously on same cable (individually screened bundles)
- > Easy installation due to a smaller diameter, an easily removable sheath and an insulation suitable for Insulation Displacement Connector or wire wrap technique
- > Fire properties: all cables are halogen-free, fire retardant

Full range of protections



Water blocked



Rodent resistant



Impact resistant



Oil/hydrocarbon resistant

Full range of applications



Outdoor



Indoor



Aerial



Underground



Metro

Further protections available



Flame retardant (Afumex™)



Impact resistant (Airbag™)



Rodent Resistant



Shotgun resistant

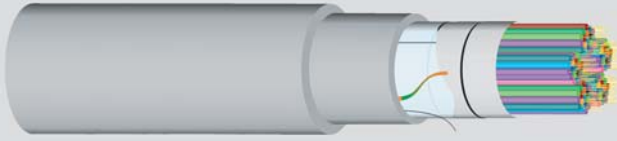


Track resistant (25 kV)



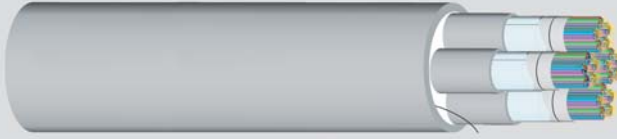
BRAIDED CABLES

Cables with common screen



| | |
|---------------------|--|
| Conductor | plain copper 0.4 and 0.5 mm |
| Insulation | solid PE or Foam skin PE |
| Cabling | pair, unit of 8 or 24 pairs |
| Size | up to 96 pairs |
| Screen/Braid | polyester plated aluminium tape and tinned copper wire braid |
| Sheath | AFUMEX® Low Smoke Zero Halogen (LSOH) flame retardant compound |

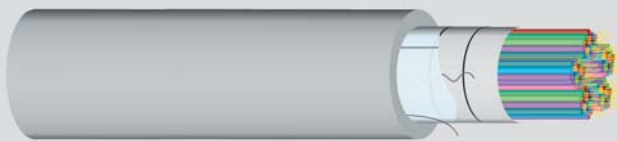
Cables with individually screened bundle



| | |
|---------------------------|--|
| Conductor | plain copper 0.4 and 0.5 mm |
| Insulation | solid PE or Foam skin PE |
| Cabling | pair, bundles of 24 or 32 pairs |
| Size | up to 128 pairs |
| BundleScreen/Braid | polyester plated aluminium tape and tinned copper wire braid |
| Sheath | AFUMEX® Low Smoke Zero Halogen (LSOH) flame retardant compound |

ZERO BRAID CABLES

Cables with common screen



| | |
|-------------------|--|
| Conductor | plain copper 0.4 and 0.5 mm |
| Insulation | solid PE or Foam skin PE |
| Cabling | pair, unit of 8 or 24 pairs |
| Size | up to 96 pairs |
| Screen | polyester plated aluminium tape |
| Sheath | AFUMEX® Low Smoke Zero Halogen (LSOH) flame retardant compound |

Cables with individually screened bundle



| | |
|----------------------|--|
| Conductor | plain copper 0.4 and 0.5 mm |
| Insulation | solid PE or Foam skin PE |
| Cabling | pair, bundles of 24 or 32 pairs |
| Size | up to 128 pairs |
| Bundle Screen | polyester plated aluminium tape |
| Sheath | AFUMEX® Low Smoke Zero Halogen (LSOH) flame retardant compound |

Any questions? Our team of experienced technical staff is ready to talk to you. See contact details.

About Us

Prysmian is a global market leader in optical cables, supplying a major part of the world's optical cable needs. With a strong heritage of highly advanced R&D, Prysmian is at the leading edge of the technology.

With a worldwide telecom manufacturing presence in 12 countries and in 4 continents Prysmian's global experience and local manufacturing capacity is a significant force in the international marketplace, assuring continuity of supply and high level of service.

Prysmian's optical technology encompasses optical fibers, cables, connectivity, projects and services ensuring that not only the right cable but the right total optical communication system is matched to our customers' needs.

Prysmian offers a complete service from design, development and manufacture through to technical support of commissioned cable networks. Planning and logistics are the cornerstone of our operation, with quality maintained through the expertise and dedication of all our staff working across the business to ISO 9001 and 14000 standards.

When a project is in Prysmian's hands, our customers can depend on a total quality service.

Specifications are subject to change without notice. Cable are designed and tested according to the main national and international specifications (IEC specifications).

dega design group