



Copper Communication Cables

- > **State-of-the-art technology
(including xDSL)**
- > **Proven and reliable**
- > **Standard and customised solutions**

**A comprehensive range for
today's communications
networks**



CABLE

Copper Communication Cables

Prysmian Cables and Systems is a world leader in communication networking.

We provide a full range of integrated products and services from international communications links to last mile local area networks.

Benefits

- > A complete portfolio for underground, aerial and central office solutions
- > The widest range of capacity options – from 10 to 2400 pairs
- > Guaranteed solutions from a world-class vendor

Technical overview

As one of the world's largest and most successful cable manufacturers, Prysmian is able to supply a comprehensive range of copper cables to meet all operational requirements.

From underground and aerial cables, to specialist solutions for customer premises and central exchanges, Prysmian cables are found in installations across the globe.

For the widest range, the highest quality and the most demanding specifications, Prysmian is the natural first choice for copper cabling solutions.

Key features

- > High specifications
- > Consistent quality
- > High durability

INDOOR: CENTRAL EXCHANGE/CUSTOMER PREMISES

Distribution



| | |
|-------------------|---|
| Conductor | Tinned copper 0.4 to 0.9 mm |
| Insulation | PVC |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 1 to 400 pairs |
| Screen | Polyester plated AL tape (if specified) |
| Sheath | PVC |

Jumper wire



| | |
|-------------------|-----------------------------|
| Conductor | Tinned copper 0.4 to 0.9 mm |
| Insulation | PVC |
| Size | 1 to 7 wires |

Subscriber wire



| | |
|-------------------|----------------------|
| Conductor | Copper 0.4 to 0.9 mm |
| Insulation | Solid PE |
| Size | 1 pair or 1 quad |
| Sheath | PVC (loose tube) |

xDSL screened cables



| | |
|---------------------|--|
| Conductor | Plain copper 0.4 and 0.5 mm |
| Insulation | Solid PE or foam skin PE |
| Cabling | Pair, unit of 8 or 24 pairs, bundles of 24 or 32 pairs |
| Size | Up to 96 or 128 pairs |
| Screen/Braid | Polyester plated AL tape and tinned copper wire braid |
| Other Sheath | Low Smoke Zero Halogen |

OUTDOOR: AERIAL CABLES

Figure of 8



| | |
|--------------------------------|--|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 200 pairs |
| Water penetration | Filling compound (if specified) |
| Screen/moisture Barrier | AL poly laminated tape Wrapped AL tapes |
| Sheath | PE |
| Supporting cord | Steel wires |

Circular



| | |
|--------------------------------|--|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 200 pairs |
| Water penetration | Filling compound (if specified) |
| Screen/moisture Barrier | AL poly laminated tape Wrapped AL tapes |
| Sheath | PE |

Drop-wire



| | |
|-------------------|-------------|
| Conductor | Bronze 1 mm |
| Insulation | Solid PE |
| Size | 1 pair |
| Sheath | PVC |

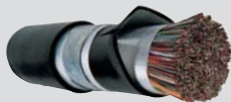
xDSL drop



| | |
|------------------------|---------------------|
| Conductor | Plain copper 0.6 mm |
| Insulation | Solid PE |
| Size | 2 to 4 pairs |
| Strength member | Aramid |
| Other Sheath | PE |

OUTDOOR: UNDERGROUND CABLES

Buried



| | |
|--------------------------|---------------------------------|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 2400 pairs |
| Water penetration | Filling compound (if specified) |
| Moisture Barrier | AL poly laminated tape |
| Sheath | PE |
| Armouring | Helical steel tapes |
| Outer sheath | PE, PVC |

Buried



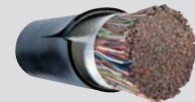
| | |
|--------------------------|---------------------------------|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 2400 pairs |
| Water penetration | Filling compound (if specified) |
| Moisture Barrier | AL poly laminated tape |
| Sheath | PE |
| Armouring | Corrugated steel tapes |
| Outer sheath | PE, PVC |

Buried



| | |
|--------------------------|---------------------------------|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 2400 pairs |
| Water penetration | Filling compound (if specified) |
| Moisture Barrier | AL poly laminated tape |
| Sheath | PE |
| Armouring | Steel wires |
| Outer sheath | PE, PVC |

In-duct



| | |
|--------------------------|---------------------------------|
| Conductor | Plain copper 0.4 to 0.9 mm |
| Insulation | Solid, foam-skin, cellular PE |
| Cabling | Pair or quad; unit and sub-unit |
| Size | 10 to 2400 pairs |
| Water penetration | Filling compound (if specified) |
| Moisture Barrier | AL poly laminated tape |
| Sheath | PE |

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.

Enquiries

The optical characteristics of Copper Communication Cables can be tailored to meet your precise specifications. Whatever your requirements, if you need more information or would like to place an order, please call Prysmian Telecom Cables and Systems on +39 02 6449 7589.

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