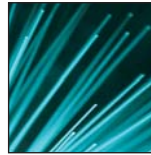


OPTICAL



MULTI LOOSE TUBE

Armoured Double Sheath

According to

DW133
DW134

- > IEC 11801 2nd Ed.
- > EN 50173 2nd Ed.



1st ISSUE 2006

ARCHITECTS OF LIGHT

OPTICAL

MULTI LOOSE TUBE

Armoured Double Sheath

As a global manufacturer of telecom products, Prysmian offers the market an integrated set of components, systems, engineering and installations for turn-key projects in the field of Premises, leading the transition from Copper to Fibre Optic.















Applications

Based on the armoured single sheath family, these **DOUBLE SHEATH** designs meet the most severe environmental requirements. Suitable for **Indoor/Outdoor** (DW133) or typically **Outdoor** (DW134) applications, when total **Rodent Resistance** is required, its corrugated Steel Tape embedded between the two sheaths works as a very good barrier against water. **Hybrid Solution** allows customization of the cable by having different types of fibres in the different tubes, allowing the installation of only one MultiTube cable instead of two to four Central Loose Tube cables.

Aimed at maximum flexibility, the FibreWave Line has been developed to contain all types of fibre for basic applications as well as up to the 10Gbit Ethernet, exceeding the requirements of the most common Structured Cabling International Standards - IEC 11801 2nd Ed. - EN50173 2nd Ed.

Afumex[®], the special LSOH Prysmian compound, is attractive where the generation of smoke or toxic emissions is potentially hazardous to people or equipment.

| | | | |
|---|---|---|--|
| <p>Flame retardant</p>  <p>IEC 60332-1 EN 50265 except DW134</p> | <p>Fire retardant</p>  <p>IEC 60332-3 EN 50266 except DW134</p> | <p>HCL</p>  <p>IEC 60754-2 EN 50267</p> | <p>Smokes low</p>  <p>IEC 61034 EN 50268 except DW134</p> |
| <p>Crush</p>  <p>≤ 3000 N/dm</p> | <p>Bending</p>  <p>op: ≥ 230 mm inst: ≥ 300 mm</p> | <p>Temperature</p>  <p>op: -30 °C/+70 °C inst: -5 °C/+50 °C sto: -45 °C/+70 °C</p> | <p>Tensile</p>  <p>op: ≤ 1250 N inst: ≤ 2500 N</p> |
| <p>All dielectric</p>  | <p>Indoor/Outdoor</p>  <p>only DW133</p> | <p>Outdoor</p>  <p>only DW134</p> | <p>Rodent</p>  |

DW133-DW134



CONSTRUCTION (NOMINAL VALUES)

| | | | | DW133 | DW134 | |
|--------------------------|----------------------------|----------|----|-----------------------|-------|-----|
| Optical Fibre | for colour see table below | | | check the Fibre Sheet | | |
| Central strength element | glass rod | | | | | |
| Loose tubes | n° 4 jelly filled tubes* | diameter | mm | 2,5 | 2,5 | |
| Wrapping | | | | yes | yes | |
| Dielectric armouring | Aramid yarns | | | yes | yes | |
| Inner sheath | Afumex® | | | yes | yes | |
| Metallic armouring | corrugated steel tape | | | yes | yes | |
| Outer Sheath | Afumex® | diameter | mm | 15,5 | / | |
| | Polyethylene | diameter | mm | / | 15,5 | |
| Weight | | | | kg/km | 250 | 210 |

* for colour see table below

BUILD UP YOUR ORDERING CODE

| fibre type | g | f |
|-------------------|-----|--------------|
| SMR 9/125 | 9 | 9 |
| MM 50/125 | 5 | 50 |
| MM 50/125 Hi Band | 5H | Hi Band 50 |
| MM 50/125 OM3 | OM3 | OM3 50 |
| MM 62,5/125 | 6 | 62,5 |
| FineLight™ | F | FineLight™ 9 |

ORDERING CODE

| cable | code | std colour | std lenght | marking |
|----------------|---------------|----------------|------------|--|
| Indoor Outdoor | DW133 - g - n | Green RAL 6018 | 2000 m | PRYSMIAN DeskWave DW133 g - n ww/yyyy INDOOR-OUTDOOR ARMoured DOUBLE SHEATH MULTITUBE LSOH n f /125 metric M |
| Outdoor | DW134 - g - n | Black | 2000 m | PRYSMIAN DeskWave DW134 g - n ww/yyyy OUTDOOR ARMoured DOUBLE SHEATH MULTITUBE n f /125 metric M |

ww: production week

yyyy: production year

n: number of fibres

FIBER COLOUR CODE

| | | | |
|----------|----------|----------|--------------|
| 1 red | 4 brown | 7 black | 10 turquoise |
| 2 green | 5 blue | 8 pink | 11 white |
| 3 yellow | 6 violet | 9 orange | 12 grey |

TUBE COLOUR CODE

| | |
|----------|---------|
| 1 blue | 3 red |
| 2 yellow | 4 white |

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 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 planning, manufacture and installation through to technical support of commissioned cable networks. Planning and surveying 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