# Jellyfree multi-fiber loose tube cables – up to 24 fibers

## Properties

- Metal free indoor and outdoor cable
- Jelly free
- Strain relief with aramide yarn
- Ripcord for easy jacket removal
- Low smoke, halogen free and self-extinguishing
- Low fire load for high safety requirements
- No need for cleaning the fibers

## Applications

- Data cable in distribution networks
- For vertical applications up to 500 m
- For installation in cable ducts

## Design

| | | |
|---|---|---|
| Cable design | dry multi-fiber loose tube with 2 up to 24 fibers<br>1 ripcord | |
| Strain relief | aramide yarn | |
| Fiber colour | according to colour code | |
| Jacket material | LSFH™ | |
| Jacket colour | E9 | yellow |
| | G50 - OM2 | orange |
| | G50 - OM3 | turquoise |
| | G 50 - OM4 | heather violet |
| | G50 – OM5 | lime green |
| | G62.5 - OM1 | orange |

According to IEC 60794-1-2

## Ordering information

| |
|---|
| 12-.../BQ(ZN)H-...35 |
| 24-.../Q(ZN)H-...50 |

Please see page 154.

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| Specification | | | | | |
|---|---|---|---|---|---|
| Jacket Ø | | mm | 3.5 | 5.0 | |
| Number of fibers | | | 2 to 12 | 2 to 24 | |
| Mulit fiber loose tube | | mm | mini | standard | |
| Approx. weight | | kg/km | 11.4 | 25.0 | |

| Mechanical properties | | | | | |
|---|---|---|---|---|---|
| Tensile strength | during installation | N | 900 | 1000 | IEC 60794-1-2 E1 |
| | in service | N | 250 | 400 | |
| Min. bend radius | during installation | mm | 50 | 80 | IEC 60794-1-2 E11 |
| | in service | mm | 35 | 50 | |
| Crush resistance | short-term | N/dm | 3000 | 3000 | IEC 60794-1-2 E3 |
| | long-term | N/dm | 1500 | 1500 | |

| Thermal properties | | | | | |
|---|---|---|---|---|---|
| Temperature range | during installation | °C | −10 to +50 | −10 to +50 | IEC 60794-1-22 F1 |
| | in service | °C | −25 to +70 | −5 to +70 | |
| | in storage | °C | −25 to +70 | −25 to +70 | |

| Combustion properties | | | | | |
|---|---|---|---|---|---|
| Fire load | | MJ/m | 0.24 | 0.63 | |
| Smoke density | | | | p | IEC 61034-2 |
| Halogen acid gas | jacket material | | p | p | IEC 60754-1 |
| Degree of acidity | jacket material | | p | p | IEC 60754-2 |
| 2011/65/EC (RoHS) | | | compliant | | |

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