

# GigaLine<sup>®</sup> I-B(ZN)BH - B2ca

## Indoor cable, central dry loose tube

G50/125 OM3 bend insensitive

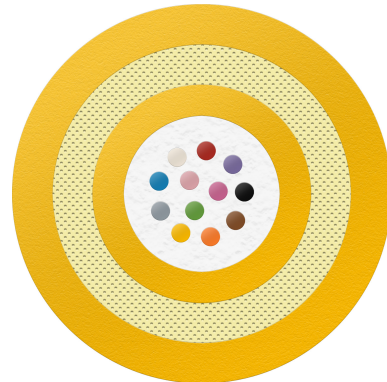
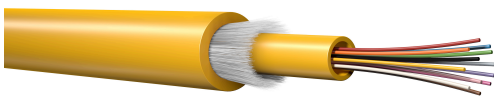


Illustration similar

### Description

Fibre optic indoor cable, central dry tube, with non-metallic rodent protection.

### Properties / applications

Indoor cable for fixed installation.

Suitable for data center cabling and for the use in generic cabling acc. to ISO/IEC 11801 and EN 50173. Ideally suited for all applications of Classes OF 300 to OF 10000 (depending on the fiber). Especially suitable for mounting of distribution heads für pre-assembled trunks and for splicing technology.

### Laying

For indoor installation in conduits, tubes or on cable trays.

### Construction

|                          |                                                                                                                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name             | GigaLine <sup>®</sup> I-B(ZN)BH - B2ca                                                                                                                                                                                                                                   |
| Fibre quality            | G50/125<br>2,50B1500/0,70F500-10GBE300<br>OM3 bendable                                                                                                                                                                                                                   |
| Fiber colours            | IEC 60304: Fiber 1-12: Red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink. Fiber 13-24: Red, green, blue, yellow, white, grey, brown, violet, turquoise, transparent, orange, pinke, each with black ring marking, except transparent. |
| Tube                     | Central dry loose tube                                                                                                                                                                                                                                                   |
| Strain relief (over all) | Non metallic, glass rovings                                                                                                                                                                                                                                              |
| Outer sheath material    | Halogen free flame retardant compound                                                                                                                                                                                                                                    |
| Outer sheath (colour )   | Aqua                                                                                                                                                                                                                                                                     |

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### Mechanical characteristics (cable)

|                               |                    |
|-------------------------------|--------------------|
| Bending radius (static)       | 15x outer diameter |
| Bending radius (dynamic)      | 20x outer diameter |
| Crush resistance (short term) | 2000 (N/100mm)     |
| Crush resistance (long term)  | 1500 (N/100mm)     |
| Max. strain relief            | 1500 N             |

### Thermal characteristics (cable)

|                                   |                     |
|-----------------------------------|---------------------|
| Temperature (transport / storage) | -25 °C up to +70 °C |
| Temperature during installation   | -5 °C up to +50 °C  |
| Temperature after installation    | -25 °C up to +60 °C |

### Standards, certificates and approvals

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Fibre standard                  | OM3 ITU-T 651<br>IEC 60793-2 A1a.2         |
| Cabling standard                | EN 50173<br>ISO/IEC 11801                  |
| Fire class                      | B2ca s1a d0 a1 acc. to EN<br>50575 / 50399 |
| DoP                             | CDESK0000087                               |
| Flame retardancy                | IEC 60332-1-2, IEC 60332-3-22<br>Cat. A    |
| Halogen free                    | IEC 60754-1                                |
| Acidity of the combustion gases | IEC 60754-2                                |
| Smoke density                   | IEC 61034                                  |
| Cable bending                   | IEC 60794-1-2 E11A                         |
| Cable standard                  | IEC 60794-2                                |
| Compliance                      | to CPR (EU/305/2011)                       |

| Part number     | Number of fibres | Weight     | Fire load | Outer diameter |
|-----------------|------------------|------------|-----------|----------------|
| LKD8IA5B0Q60000 | 1 x 12           | 46,0 kg/km | 0,62 MJ/m | 6,5 mm         |