

# GigaLine<sup>®</sup> patch cord

## 1 MTP/APC female - 1 MTP/APC female

E9/125 OS2 bend insensitive

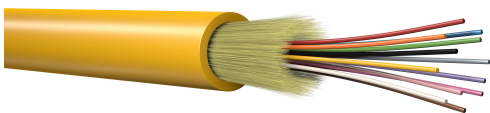


Illustration similar

### Description

Patch cable with 1 x 12 fibers, assembled with 1 MTP female connectors on both sides. The Length are from the connector end face to connector end face. The length tolerance is  $\pm 40$  mm for length up to 2.0 m and  $\pm 2$  % for length over 2.0 m.

### Properties / applications

For applications in MTP cable systems in data centres.

### Construction

|                  |                                                  |
|------------------|--------------------------------------------------|
| Cable type       | KL-I-F(ZN)H E9/125/OS2<br>G.652.D+G.657.A1 - Cca |
| Colour of sheath | Colza yellow                                     |
| Connectors       | MPO/APC male -<br>MPO/APC male                   |
| Connector color  | Blue                                             |
| Wiring           | Crossed, TIA-568-B.1-7 type B                    |

### Mechanical characteristics (cable)

|                  |       |
|------------------|-------|
| Tensile strength | 300 N |
|------------------|-------|

### Optical characteristics (connector A / connector B)

|                       |                 |
|-----------------------|-----------------|
| Polish                | APC / APC       |
| Insertion loss (max.) | 0.3 dB / 0.3 dB |
| Insertion loss (typ.) | 0.1 dB / 0.1 dB |
| Return loss (min.)    | 60 dB / 60 dB   |

### Thermal characteristics (cable)

|                                      |                     |
|--------------------------------------|---------------------|
| Temperature<br>(transport / storage) | -20 °C up to +70 °C |
| Temperature during<br>installation   | 5 °C up to +40 °C   |
| Temperature after<br>installation    | -10 °C up to +60 °C |

### Fire characteristics (cable)

|                  |                                         |
|------------------|-----------------------------------------|
| Flame retardancy | IEC 60332-1-2, IEC 60332-3-22<br>Cat. A |
| Halogen free     | IEC 60754-1                             |
| Brandklasse      | Cca s1a d1 a2                           |

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### Standards, certificates and approvals

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Fibre standard       | ISO/IEC 11801 OS2<br>ITU-T G652.D + G657.A1<br>IEC 60793-2 B1.3 |
| Connector standard   | IEC 61754-7-1 / EIA/TIA 604-5<br>(MPO)                          |
| Cabling standard     | EN 50173, ISO/IEC 11801                                         |
| Flame retardancy     | IEC 60332-1-2                                                   |
| Halogen-free         | IEC 60754-1/2                                                   |
| Smoke density        | IEC 61034-1/2                                                   |
| Chemical continuance | Free of hazardous substances<br>acc. to RoHS 2011/65/EU         |

| Part number     | Cable length (m) | Number of assembled fibers | Weight approx. | PU (pieces) |
|-----------------|------------------|----------------------------|----------------|-------------|
| LKD9SPM2FB00020 | 2.0              | 12                         | 0.066          | 1           |