

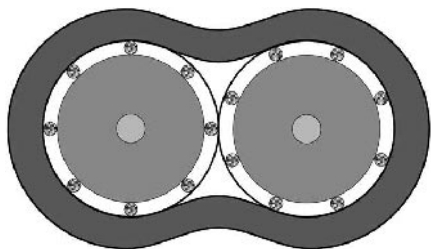
# Fibre Optic Indoor cables

acc. DIN VDE 0888

HELUCOM®

RoHS

I-VH, I-V11Y, I-VHH, I-V11Y11Y



## Cable structure

Core type: Tight buffer  
Strain relief elements: Aramide  
Outer sheath material: FRNC  
Outer sheath colour: Yellow

## Temperature range

Laying, min: -5°C  
Laying, max: +50°C  
Operating, min: -10°C  
Operating, max: +60°C

## Other data

Corrosiveness acc. to EN50267-2-3  
Halogen-free acc. to 60754-2  
Flame-resistance acc. to IEC 60332-1  
Smoke density acc. to IEC 61034

| Designation | Number of fibres | Fibre type          | Outer Ø ca. mm | Max. tensile force N | Min. stat. bending radius mm | Caloric load ca. MJ/m | Max. transverse pressure N/cm | Weight kg/km | Part no. |
|-------------|------------------|---------------------|----------------|----------------------|------------------------------|-----------------------|-------------------------------|--------------|----------|
| I-VH        | 1                | Multimode G50/125   | 2,8            | 300                  | 40,0                         | 0,17                  | 10                            | 8,7          | 80783    |
| I-VH        | 1                | Multimode G62.5/125 | 2,8            | 300                  | 40,0                         | 0,17                  | 10                            | 8,7          | 80782    |
| I-VH        | 1                | Single-mode E9/125  | 2,8            | 300                  | 40,0                         | 0,17                  | 10                            | 8,7          | 80784    |
| I-VH        | 2                | Multimode G50/125   | 2,8 x 5,6      | 400                  | 40,0                         | 0,34                  | 10                            | 17,5         | 80316    |
| I-VH        | 2                | Multimode G62.5/125 | 2,8 x 5,6      | 400                  | 40,0                         | 0,34                  | 10                            | 17,5         | 80699    |
| I-VH        | 2                | Single-mode E9/125  | 2,8 x 5,6      | 400                  | 40,0                         | 0,34                  | 10                            | 17,5         | 80785    |
| I-V11Y      | 2                | Multimode G50/125   | 2,8 x 5,6      | 400                  | 40,0                         | 2,80                  | 20                            | 14,0         | 82408    |
| I-V11Y      | 2                | Multimode G62.5/125 | 2,8 x 5,6      | 400                  | 40,0                         | 2,80                  | 20                            | 14,0         | 82410    |
| I-V11Y      | 2                | Single-mode E9/125  | 2,8 x 5,6      | 400                  | 40,0                         | 2,80                  | 20                            | 14,0         | 82411    |
| I-VHH       | 2                | Multimode G50/125   | 4,2 x 7,1      | 600                  | 50,0                         | 0,52                  | 20                            | 20,0         | 80789    |
| I-VHH       | 2                | Multimode G62.5/125 | 4,2 x 7,1      | 600                  | 50,0                         | 0,52                  | 20                            | 20,0         | 80790    |
| I-VHH       | 2                | Single-mode E9/125  | 4,2 x 7,1      | 600                  | 50,0                         | 0,52                  | 20                            | 20,0         | 80791    |
| I-V11Y11Y   | 2                | Multimode G50/125   | 4,2 x 7,1      | 600                  | 60,0                         | 4,20                  | 20                            | 16,0         | 82409    |
| I-V11Y11Y   | 2                | Multimode G62.5/125 | 4,2 x 7,1      | 600                  | 60,0                         | 4,20                  | 20                            | 16,0         | 81900    |
| I-V11Y11Y   | 2                | Single-mode E9/125  | 4,2 x 7,1      | 600                  | 60,0                         | 4,20                  | 20                            | 16,0         | 82412    |

## Application

These HELUCOM® one-fibre and two-fibre (duplex) cables are used for fixed indoor installation, such as in cable ducts. These cables are also used as ready-made cables (pigtailed) that are spliced to fixed cables or as connection cables (jumper cable) as well as for switch frames. The small diameter and the high flexibility make these cables ideal for the application in switch frames as well as for the connection of terminals.