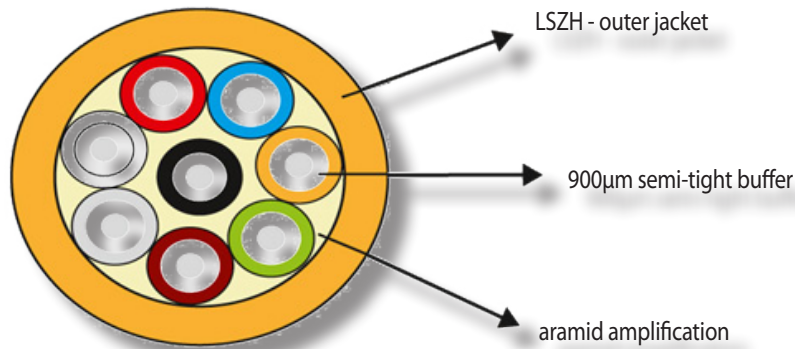


DATASHEET

Mini-Breakout Indoor Cable I-V(ZN)H



Specifications

Application:

- Indoor application
- Installation in shafts, underfloor area
- Secondary cabling (vertical) : riser area (backbone)
- Tertiary cabling (horizontal) : working area, fiber-to-the-desk FTTH
- Trunk-, patch- and adapter cable

Characteristics:

- Indoor cable
- Non-metallic, halogenfree, gel free
- Suitable for connector assembly

Technical data

Standards:

- Flame retardant: IEC 60332-3
- Halogenfree: IEC 60754-2
- Low smoke: IEC 61034
- Transmission: IEC 60793, ITU-T G652, G651
- Cabling: ISO/IEC 11801, EN 50173

Temperature Range:

- Operation: -20°C ~ 60°C
- Installation: - 5°C ~ 50°C

Optical Data

| Fiber (µm), Type | 62.5/125 Multimode | 50/125 Multimode | 50/125 Multimode | 50/125 Multimode | 9/125 Singlemode |
|--|--------------------|------------------|------------------|------------------|------------------|
| Fiber category | OM1 | OM2 | OM3 | OM4 | OS2 |
| Wavelengths (nm) | 850 / 1300 | 850 / 1300 | 850 / 1300 | 850 / 1300 | full spectrum |
| Typ. attenuation (dB/km): | ≤ 2.9 / ≤ 0.7 | ≤ 2.74 / ≤ 0.8 | ≤ 2.4 / ≤ 0.8 | ≤ 2.4 / ≤ 0.8 | ≤ 0.4 |
| Over filled Launch Bandwidth (OFL = Over Filled Launch) MHz*km | 200 / 500 | 500 / 500 | 1500 / 500 | 3500 / 500 | - / - |
| Minimum Effective Modal Bandwidth (EMB) MHz*km | - / - | - / - | 2000 / - | 4700 / - | - / - |



| | | | | | |
|------------------|---------------------------------------|---------------|---------------------|---------|------------|
| Art.-No. | I-V (ZN) H | File | I-V (ZN) H_NEU.indd | | |
| Description | Mini-Breakout Indoor Cable I-V (ZN) H | | | | |
| Created | Date | Last Revision | Date | Checked | Date |
| Alexander Müller | 08.10.2013 | BT | 12.02.2014 | EP | 12.02.2014 |

DATASHEET

Order data

| | Art.-No. | Fibers 900 μ m | VDE-Type | Cable | Weight | Tensile Force | Bending Radius |
|-----------------------|------------|--------------------|----------------------|--------|-----------|---------------|----------------|
| OS2 9/125 μ | 55502.1OS2 | 02E Singlemode OS2 | I-V(ZN)H 02E9/125 | 3,8 mm | 15kg / km | 400 N | 57 mm |
| | 55504.1OS2 | 04E Singlemode OS2 | I-V(ZN)H 04E9/125 | 4,2 mm | 18kg / km | 600 N | 63 mm |
| | 55508.1OS2 | 08E Singlemode OS2 | I-V(ZN)H 08E9/125 | 5,5 mm | 29kg / km | 800 N | 83 mm |
| | 55512.1OS2 | 12E Singlemode OS2 | I-V(ZN)H 12E9/125 | 6,2 mm | 36kg / km | 800 N | 93 mm |
| | 55524.1OS2 | 24E Singlemode OS2 | I-V(ZN)H 24E9/125 | 8,0 mm | 59kg / km | 1000 N | 120 mm |
| OM4 50/125 μ | 55502.1OM4 | 02G Multimode OM4 | I-V(ZN)H 02G50/125 | 3,8 mm | 15kg / km | 400 N | 57 mm |
| | 55504.1OM4 | 04G Multimode OM4 | I-V(ZN)H 04G50/125 | 4,2 mm | 18kg / km | 600 N | 63 mm |
| | 55508.1OM4 | 08G Multimode OM4 | I-V(ZN)H 08G50/125 | 5,5 mm | 29kg / km | 800 N | 83 mm |
| | 55512.1OM4 | 12G Multimode OM4 | I-V(ZN)H 12G50/125 | 6,2 mm | 36kg / km | 800 N | 93 mm |
| | 55524.1OM4 | 24G Multimode OM4 | I-V(ZN)H 24G50/125 | 8,0 mm | 59kg / km | 1000 N | 120 mm |
| OM3 50/125 μ | 55502.1OM3 | 02G Multimode OM3 | I-V(ZN)H 02G50/125 | 3,8 mm | 15kg / km | 400 N | 57 mm |
| | 55504.1OM3 | 04G Multimode OM3 | I-V(ZN)H 04G50/125 | 4,2 mm | 18kg / km | 600 N | 63 mm |
| | 55508.1OM3 | 08G Multimode OM3 | I-V(ZN)H 08G50/125 | 5,5 mm | 29kg / km | 800 N | 83 mm |
| | 55512.1OM3 | 12G Multimode OM3 | I-V(ZN)H 12G50/125 | 6,2 mm | 36kg / km | 800 N | 93 mm |
| | 55524.1OM3 | 24G Multimode OM3 | I-V(ZN)H 24G50/125 | 8,0 mm | 59kg / km | 1000 N | 120 mm |
| OM2 50/125 μ | 55502.1 | 02G Multimode OM2 | I-V(ZN)H 02G50/125 | 3,8 mm | 15kg / km | 400 N | 57 mm |
| | 55504.1 | 04G Multimode OM2 | I-V(ZN)H 04G50/125 | 4,2 mm | 18kg / km | 600 N | 63 mm |
| | 55508.1 | 08G Multimode OM2 | I-V(ZN)H 08G50/125 | 5,5 mm | 29kg / km | 800 N | 83 mm |
| | 55512.1 | 12G Multimode OM2 | I-V(ZN)H 12G50/125 | 6,2 mm | 36kg / km | 800 N | 93 mm |
| | 55524.1 | 24G Multimode OM2 | I-V(ZN)H 24G50/125 | 8,0 mm | 59kg / km | 1000 N | 120 mm |
| OM1 62,5/125 μ | 55602.1 | 02G Multimode OM1 | I-V(ZN)H 02G62,5/125 | 3,8 mm | 15kg / km | 400 N | 57 mm |
| | 55604.1 | 04G Multimode OM1 | I-V(ZN)H 04G62,5/125 | 4,2 mm | 18kg / km | 600 N | 63 mm |
| | 55608.1 | 08G Multimode OM1 | I-V(ZN)H 08G62,5/125 | 5,5 mm | 29kg / km | 800 N | 83 mm |
| | 55612.1 | 12G Multimode OM1 | I-V(ZN)H 12G62,5/125 | 6,2 mm | 36kg / km | 800 N | 93 mm |
| | 55624.1 | 24G Multimode OM1 | I-V(ZN)H 24G62,5/125 | 8,0 mm | 59kg / km | 1000 N | 120 mm |



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|------------------|---------------------------------------|---------------|---------------------|---------|------------|
| Art.-No. | I-V (ZN) H | File | I-V (ZN) H_NEU.indd | | |
| Description | Mini-Breakout Indoor Cable I-V (ZN) H | | | | |
| Created | Date | Last Revision | Date | Checked | Date |
| Alexander Müller | 08.10.2013 | BT | 12.02.2014 | EP | 12.02.2014 |