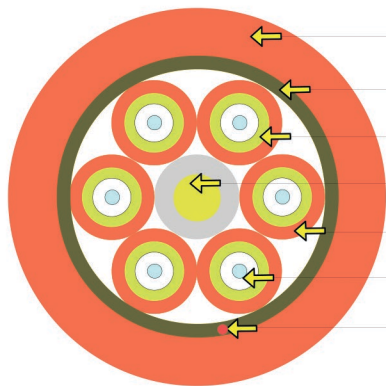


# Breakout Cable

ID: **44x1**

## J-V(ZN)HH 2-24F Breakout 2,4 mm

This cable is suitable for indoor use.



- Yellow FR-LSZH outer jacket, UV stable  
*(Other colours available on request)*
- Water-swellable tape
- Aramid yarn
- Central FRP strength member (PE coated when necessary)
- FR-LSZH Simplex cable
- Buffered optical fibre
- Ripcord

The picture represents a cable with 6 fibres

### Mechanical and Environmental properties

|                                 |                            |                       |                    |                  |      |                    |
|---------------------------------|----------------------------|-----------------------|--------------------|------------------|------|--------------------|
| Cable outer diameter            | 4F                         | 8,2 ± 0,4             | mm                 | EN 60811-203     |      |                    |
|                                 | 6F                         | 9,6 ± 0,4             |                    |                  |      |                    |
|                                 | 8F                         | 11,2 ± 0,4            |                    |                  |      |                    |
|                                 | 12F                        | 14,2 ± 0,4            |                    |                  |      |                    |
|                                 | 16F                        | 13,8 ± 0,4            |                    |                  |      |                    |
|                                 | 18F                        | 14,4 ± 0,4            |                    |                  |      |                    |
| Cable weight                    | 2F                         | 62                    | kg/km              |                  |      |                    |
|                                 | 4F                         | 68                    |                    |                  |      |                    |
|                                 | 6F                         | 99                    |                    |                  |      |                    |
|                                 | 8F                         | 127                   |                    |                  |      |                    |
|                                 | 12F                        | 196                   |                    |                  |      |                    |
|                                 | 16F                        | 188                   |                    |                  |      |                    |
| Max. tensile strength           | 18F                        | 206                   | N                  | EN 60794-1-21-E1 |      |                    |
|                                 | 24F                        | 277                   |                    |                  |      |                    |
|                                 | 2F                         | 400                   |                    |                  |      |                    |
|                                 | 4F                         | 750                   |                    |                  |      |                    |
|                                 | 6F                         | 2000                  |                    |                  |      |                    |
|                                 | 8F                         | 2000                  |                    |                  |      |                    |
| Crush resistance test           | 12F                        | 2500                  | N                  | EN 60794-1-21-E3 |      |                    |
|                                 | 16F                        | 2900                  |                    |                  |      |                    |
|                                 | 18F                        | 3500                  |                    |                  |      |                    |
|                                 | 24F                        | 4000                  |                    |                  |      |                    |
|                                 | Impact resistance test     | 3                     |                    |                  | Nm   | EN 60794-1-21-E4   |
|                                 | Min. bend radius (no load) | 10                    |                    |                  | × OD | EN 60794-1-21-E11a |
| Min. bend radius (load)         | 15                         | × OD                  | EN 60794-1-21-E11b |                  |      |                    |
| Temperature range               | Installation               | -5 to + 50°C          |                    |                  |      |                    |
|                                 | Operation                  | -20 to + 60°C         |                    |                  |      |                    |
|                                 | Storage                    | -20 to + 60°C         |                    |                  |      |                    |
| Fire properties – Flammability  | pass                       | EN 60332-3-22 (cat.A) |                    |                  |      |                    |
| Fire properties – Acid gases    | pass                       | EN 60754-1            |                    |                  |      |                    |
|                                 | pass                       | EN 60754-2            |                    |                  |      |                    |
| Fire properties – Smoke density | pass                       | EN 61034-1            |                    |                  |      |                    |
|                                 | pass                       | EN 61034-2            |                    |                  |      |                    |

Cable life time - minimum 30 years

### Sheat Marking

|              |  |
|--------------|--|
| Print colour | White  |
| Print method | INK-Jet  |
| Print legend | Manufacturer's name, job number, type of cable, length marking @ 1 m intervals |

*Other print legends available on request*

### Buffer

|          |         |
|----------|---------|
| xxTX     | Tight   |
| xxFX     | Free    |
| Colour   | Natur   |
| Material | FR-LSZH |

*Other buffer colours available on request.*

### Simplex jacket

|          |                      |
|----------|----------------------|
| Material | FR-LSZH              |
| Colour   | SM 9/125 – Yellow    |
|          | MM 50/125 – Green    |
|          | MM 62,5/125 – Orange |

*Other jacket colours available on request*

### Outer jacket

|          |                      |
|----------|----------------------|
| Material | FR-LSZH              |
| Colour   | SM 9/125 – Yellow    |
|          | MM 50/125 – Green    |
|          | MM 62,5/125 – Orange |

*Other jacket colours available on request*

### Packing

Depending on ordered put-up lengths

