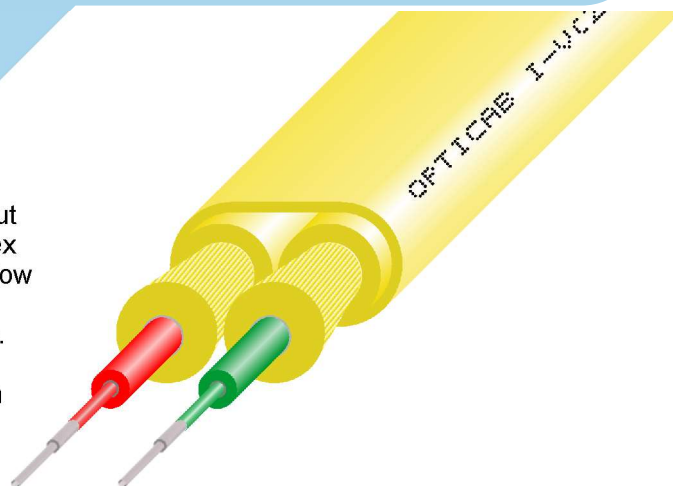


### Duplex Breakout OC-DB

V-Protect offers optical fiber cable duplex breakout in six sizes 1.6, 1.8, 2.0, 2.4, 2.8 and 3.0mm. Two simplex cables in an additional jacket sheet. Cable is made from low smoke zero halogen, flame retardant polyolefin jacket (LSOH), featuring excellent mechanical/ physical property. The strength member increases the compression and tensile parameters of the cable. Two size of buffer 0.6mm and 0.9mm. Gel-free cable design. All optical fibers compliant with ITU-T standard.



#### ▣ Features

- ▣ Six sizes to choose: 1.6, 1.8, 2.0, 2.4, 2.8 and 3.0mm
- ▣ Two simplex cables in an additional jacket
- ▣ Two sizes of buffer: 0.6mm and 0.9mm
- ▣ LSZH thermoplastic jacket.
- ▣ Completely no gel design
- ▣ Fibers compliance with ITU-T standard.

#### ▣ Application

- ▣ Data Communications and Networks
- ▣ Internet, CCTV
- ▣ Patch cables in distribution systems
- ▣ For direct connector assembly
- ▣ Connection cables for devices and for workplace cabling
- ▣ Automation

#### ▣ Cable characteristics

|                                              | Duplex Breakout | 1.6                      | 1.8  | 2.0  | 2.4  | 2.8  | 3.0  |
|----------------------------------------------|-----------------|--------------------------|------|------|------|------|------|
| ▣ Cable type                                 |                 | 1.6                      | 1.8  | 2.0  | 2.4  | 2.8  | 3.0  |
| ▣ Fiber count                                |                 | 2                        | 2    | 2    | 2    | 2    | 2    |
| ▣ Fiber characteristics                      |                 | see fiber datasheet OC-F |      |      |      |      |      |
| ▣ Simplex cable diameter [mm]                |                 | 1.6                      | 1.8  | 2.0  | 2.4  | 2.8  | 3.0  |
| ▣ Buffer size [mm]                           |                 | 0.6                      | 0.6  | 0.9  | 0.9  | 0.9  | 0.9  |
| ▣ Tensile performance [N]                    |                 | 140*                     | 140* | 140* | 200* | 200* | 200* |
| ▣ Crush (short term) [N]                     |                 | 300*                     | 300* | 300* | 500* | 500* | 500* |
| ▣ Crush (long term) [N]                      |                 | 100*                     | 100* | 100* | 200* | 200* | 200* |
| ▣ Weight [kg/km]                             |                 | 4.2                      | 5.0  | 7.4  | 10.3 | 13.5 | 16.0 |
| ▣ Min. bend radius for installation [mm]     |                 | 30                       | 30   | 30   | 35   | 40   | 40   |
| ▣ Installation and assembly temperature [°C] |                 | from -5 to +50           |      |      |      |      |      |
| ▣ Operating temperature [°C]                 |                 | from -5 to +60           |      |      |      |      |      |
| ▣ Transport and storage temperature [°C]     |                 | from -25 to +70          |      |      |      |      |      |

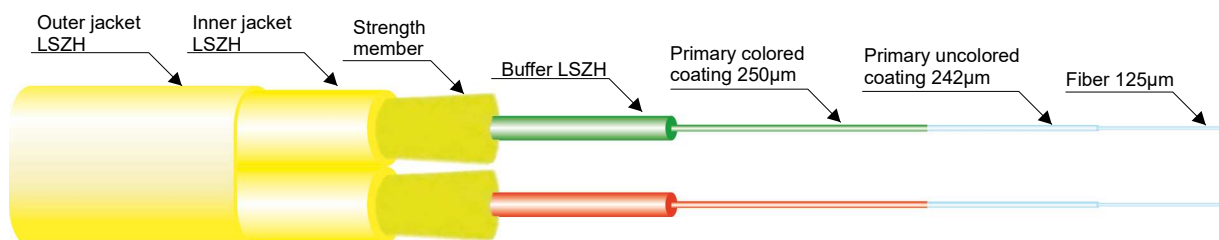
#### ▣ Packing

|                       | Duplex Breakout | 1.6                                                                                                                 | 1.8 | 2.0 | 2.4 | 2.8 | 3.0 |
|-----------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|
| ▣ Cable type          |                 | 1.6                                                                                                                 | 1.8 | 2.0 | 2.4 | 2.8 | 3.0 |
| ▣ Length on drum [km] |                 | 3                                                                                                                   | 2   | 2   | 1.5 | 1   | 1   |
| ▣ Drum dimension      |                 | Flange diameter 390 mm<br>Barrel diameter 200 mm<br>Inner width 280 mm<br>Outer width 300 mm<br>Bore diameter 56 mm |     |     |     |     |     |

# Duplex Breakout OC-DB

## Fiber optic cable

### ▣ Cable construction



### ▣ Inscription on the cable

OPTICAB I-V(CZN)HH 2X1E 9/125 G652D LSZH 00001M

(example)

### ▣ Label on the drum contain

Tape of cable  
Length

### ▣ Warranty

V-Protect warrants that the duplex breakout cable meets this specification. If the duplex breakout cables fail to meet this specification, V-Protect agrees to replace such failed duplex breakout cables. V-Protect makes no warranty, however, as to the results to be obtained from the use of these duplex breakout cables. In no event shall V-Protect be liable for removal or installation costs or other indirect or consequential damages.

### ▣ Order code

OC-DB<sub>x-x-x</sub>

#### Cable color

**01** - red, **02** - green, **03** - blue, **04** - yellow, **05** - white, **06** - grey, **07** - brown, **08** - violet, **09** - aqua, **10** - black, **11** - orange, **12** - pink, **13** - lime green, **14** - erika violet

#### Fiber type

**2D** - G.652.D, **A1** - G.657.A1, **A2** - G.657.A2, **B3** - G.657.B3, **61** - OM1 62,5/125, **52** - OM2 50/125, **53** - OM3 50/125, **54** - OM4 50/125, **55** - OM5 50/125

#### Cable diameter

**16** - ø1,6mm, **18** - ø1,8mm, **20** - ø2,0mm, **24** - ø2,4mm, **28** - ø2,8mm, **30** - ø3,0mm

#### Standard colours:

| Fiber type   | G.652.D | G.657.A1,A2,B3 | OM1 62,5/125 | OM2 50/125 | OM3 50/125 | OM4 50/125   | OM5 50/125 |
|--------------|---------|----------------|--------------|------------|------------|--------------|------------|
| Cable colour | Yellow  | White          | Blue         | Orange     | Aqua       | Erika violet | Lime green |
| RAL          | 1021    | 9010           | 5015         | 2003       | 6027       | 4003         | 6038       |