



# **OPTICAL FIBRE SLICE CLOSURE CATALOGUE**

**(TECHNICAL SPECIFICATIONS DOCUMENT FOR APPROVED JOINTS)**

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## COMPARISON OF JOINTS

|           |                            | Network application | Pit size    | Pit Dimensions (mm) | Dimensions (mm)            | No. of cable ports | Max no of trays | Max splices per tray | Max splices per joint | Max fibres per joint |
|-----------|----------------------------|---------------------|-------------|---------------------|----------------------------|--------------------|-----------------|----------------------|-----------------------|----------------------|
| PRYSMIAN  | <b>SJC</b>                 | Distribution        | 2 Pit/Pole  | 448 x 210 x 500     | (l) 200 x (w) 170 x (d) 66 | 4                  | 1               | 24                   | 24                    | <b>48</b>            |
|           | <b>LMJ (Short Cap)</b>     | Access + Core       | 9 Pit       | 1200 x 410 x 600    | (l) 493 x (d) 310          | 11                 | 48              | 36                   | 1728                  | <b>3456</b>          |
|           | <b>LMJ (Medium Cap)</b>    | Access + Core       | 9 Pit       | 1200 x 410 x 600    | (l) 600 x (d) 310          | 11                 | 80              | 36                   | 2880                  | <b>5760</b>          |
|           | <b>LMJ (Long Cap)</b>      | Access + Core       | 9 Pit       | 1850 x 423 x 850    | (l) 721 x (d) 310          | 11                 | 112             | 36                   | 4032                  | <b>8064</b>          |
| COMMSCOPE | <b>OFDC-A4</b>             | Distribution        | 2 Pit/Pole  | 448 x 210 x 500     | (l)211 x (w) 99 x (d) 76   | 6                  | 1               | 12                   | 12                    | <b>24</b>            |
|           | <b>OFDC-B8</b>             | Distribution        | 2 Pit/Pole  | 448 x 210 x 500     | 326 x 163 x 102            | 8                  | 2               | 36                   | 72                    | <b>144</b>           |
|           | <b>FIST GCO2-FC6</b>       | Distribution        | 6 Pit/Pole  | 1200 x 410 x 600    | (l)384 x (w) 279 x (d) 150 | 7                  | 8               | 12                   | 96                    | <b>192</b>           |
|           | <b>FIST GCO2-FC6 (HD)*</b> | Dist + Access       | 6 Pit/Pole  | 1200 x 410 x 600    | (l)384 x (w) 279 x (d) 150 | 7                  | 20              | 24                   | 480                   | <b>960</b>           |
|           | <b>FIST GCO2-FD6</b>       | Dist + Access       | 6 Pit/Pole  | 1200 x 410 x 600    | (l)432 x (w) 279 x (d) 150 | 7                  | 12              | 12                   | 144                   | <b>288</b>           |
|           | <b>FIST GCO2-FD6 (HD)*</b> | Dist + Access       | 6 Pit/Pole  | 1200 x 410 x 600    | (l)432 x (w) 279 x (d) 150 | 7                  | 24              | 24                   | 576                   | <b>1152</b>          |
|           | <b>FIST GCO2-BE16</b>      | Access              | 6, 8, 9 Pit | 1200 x 410 x 820    | (l) 680 x (d) 247          | 16                 | 56              | 12                   | 672                   | <b>1344</b>          |
|           | <b>FIST GCO2-BE16 (HD)</b> | Access              | 8-9 Pit     | 1200 x 410 x 820    | (l) 680 x (d) 247          | 16                 | 112             | 12                   | 1344                  | <b>2688</b>          |
|           | <b>FIST GCO2-BF8</b>       | Core                | 9 Pit       | 1850 x 423 x 850    | (l) 770 x (d) 285          | 10                 | 96              | 18                   | 1728                  | <b>3456</b>          |

\* Approval pending

\* Check Rush stock report prior to implementing on install plans.

### References:

PRYSMIAN (all joints) - <https://www.prysmiancable.com.au/documents/optical-fibre-joints-brochure.pdf/>

COMMSCOPE BF8: [https://www.commscope.com/catalog/cabinets\\_panels\\_enclosures/pdf/part/77972/CU4159-000\\_FIST-GCO2-BF8-NN.pdf](https://www.commscope.com/catalog/cabinets_panels_enclosures/pdf/part/77972/CU4159-000_FIST-GCO2-BF8-NN.pdf)

COMMSCOPE A4: [https://www.commscope.com/catalog/cabinets\\_panels\\_enclosures/pdf/part/97232/760241443\\_OFDC-A4-S2\\_44-NN-N-24.pdf](https://www.commscope.com/catalog/cabinets_panels_enclosures/pdf/part/97232/760241443_OFDC-A4-S2_44-NN-N-24.pdf)

COMMSCOPE BE16: [https://www.commscope.com/catalog/cabinets\\_panels\\_enclosures/pdf/part/77963/018632-000\\_FIST-GCO2-BE16-NN.pdf](https://www.commscope.com/catalog/cabinets_panels_enclosures/pdf/part/77963/018632-000_FIST-GCO2-BE16-NN.pdf)

COMMSCOPE FD6: [https://www.commscope.com/catalog/solution\\_wn\\_fttx\\_ftth\\_lastmile\\_fibersplicetrays/2147496678/pdf/part/77980/CJ9788-000\\_FIST-GCO2-FD6-GV.pdf](https://www.commscope.com/catalog/solution_wn_fttx_ftth_lastmile_fibersplicetrays/2147496678/pdf/part/77980/CJ9788-000_FIST-GCO2-FD6-GV.pdf)

COMMSCOPE B8: [https://www.commscope.com/catalog/cabinets\\_panels\\_enclosures/pdf/part/78236/CY3905-000\\_OFDC-B8-S36-1-NN-2.pdf](https://www.commscope.com/catalog/cabinets_panels_enclosures/pdf/part/78236/CY3905-000_OFDC-B8-S36-1-NN-2.pdf)

COMMSCOPE FC6: [https://www.commscope.com/catalog/cabinets\\_panels\\_enclosures/pdf/part/77973/FIST-GCO2-FC6-GV\\_CJ9790-000.pdf](https://www.commscope.com/catalog/cabinets_panels_enclosures/pdf/part/77973/FIST-GCO2-FC6-GV_CJ9790-000.pdf)



# LMJ (Large Multi-Function Joint)– Long Cap

Network application: **Core and access**

Dimensions (mm): **(l) 721 x (d) 250**

Pit requirements: **9 Pit - (1850 x 423 x 850) mm**

Capacity for Single Element Management (SEM): **36 splices per tray**

Maximum number of trays: **112 trays (56 + 56)**

Maximum splices (Using 36f splice tray): **4032**

Maximum number of fibres: **8064f**

Number of Cable Ports: **10 circular and 1 oval (mechanical)**

Cable dia (for circular ports): **4 to 23 mm**

Minimum Fibre Bend Radius (mm): **30**

Central loop storage: **Up to 276f (using loose tubes)**

Range of splitter modules: **From 1x2 to 2x64**

Operating temperature: **-20°C to + 60°C**

Closure Sealing: **IP68 (5 metres)**





## LMJ (Large Multi-Function Joint)– Medium Cap

Network application: **Core and access**

Dimensions (mm): **(l) 600 x (d) 310**

Pit requirements: **6 Pit - (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **36 splices per tray**

Maximum number of trays: **80 trays (40 + 40)**

Maximum splices (Using 36f splice tray): **2880**

Maximum number of fibres: **5760f**

Number of Cable Ports: **10 circular and 1 oval (mechanical)**

Cable dia (for circular ports): **4 to 23 mm**

Minimum Fibre Bend Radius (mm): **30**

Central loop storage: **Up to 276f (using loose tubes)**

Range of splitter modules: **From 1x2 to 2x64**

Operating temperature: **-20°C to + 60°C**

Closure Sealing: **IP68 (5 metres)**





# LMJ (Large Multi-Function Joint)– Short Cap

Network application: **Core and access**

Dimensions (mm): **(l) 493 x (d) 310**

Pit requirements: **6 Pit - (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **36 splices per tray**

Maximum number of trays: **80 trays (40 + 40)**

Maximum splices (Using 36f splice tray): **1728**

Maximum number of fibres: **3456f**

Number of Cable Ports: **10 circular and 1 oval (mechanical)**

Cable dia (for circular ports): **4 to 23 mm**

Minimum Fibre Bend Radius (mm): **30**

Central loop storage: **Up to 276f (using loose tubes)**

Range of splitter modules: **From 1x2 to 2x64**

Operating temperature: **-20°C to + 60°C**

Closure Sealing: **IP68 (5 metres)**





# SJC (Small Joint Closure)

Network application: **Distribution**

Dimensions (mm): **(l) 200 x (w) 170 x (d) 66**

Pit requirements: **2 Pit/Pole (448 x 210 x 500) mm**

Capacity for Single Element Management (SEM): **24 splices per tray**

Maximum number of trays: **1**

Maximum splices: **24**

Maximum number of fibres: **48f**

Number of Cable Ports: **4**

Minimum Fibre Bend Radius (mm): **20**

Operating temperature: **-20°C to + 60°C**

Closure Sealing: **IP68 (5 metres)**



## OFDC A4

Network application: **Distribution**

Dimensions (mm): **(l) 211 x (w) 99 x (d) 76**

Pit requirements: **2 Pit/Pole (448 x 210 x 500) mm**

Capacity for Single Element Management (SEM): **12 splices per tray**

Maximum number of trays: **1**

Maximum splices: **12**

Maximum number of fibres: **24f**

Number of Cable Ports: **6 (4 SC/APC)**

### Cable Capacity, Drop

4 Flat 8.0 x 4.5 mm (0.30 x 0.17 in) | 4 Round 2.0–6.0 mm (0.08–0.23 in) | 8 Round 2.0–4.5 mm (0.08–0.17 in)

### Cable Capacity, Feeder

2 Round 4.5–12.0 mm (0.17–0.47 in)

Operating temperature: **-5°C to + 45°C**

Closure Sealing: **IP68 (2 metres)**





# COMMSCOPE

## OFDC B8

Network application: **Distribution**

Dimensions (mm): **326 x 163 x 102 mm**

Pit requirements: **2 Pit/Pole (448 x 210 x 500) mm**

Capacity for Single Element Management (SEM): **36 splices per tray**

Maximum number of trays: **2**

Maximum splices: **72**

Maximum number of fibres: **144f**

Number of Cable Ports: **8**

### **Main cable seal and termination device**

- Cable diameter (minimum-maximum): 8-18 mm

### **Drop cable seal for 8 drops with drop cable termination devices**

- Cable diameter (minimum-maximum): 2.5-6 mm
- 2 additional drop cables can be accommodated with cable diameter (minimum-maximum) of 5-8 mm

Operating temperature: **-20°C to + 60°C**

Closure Sealing: **IP68 (2 metres)**





COMMScope

# FIST GCO2-FC6

Network application: **Access & distribution**

Dimensions (mm): **(l) 384 x (w) 279 x (d) 150**

Pit requirements: **6 Pit/Pole (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **12 splices per tray**

Maximum number of trays: **8**

Maximum splices: **96**

Maximum number of fibres: **192f**

Number of Cable Ports: **7**

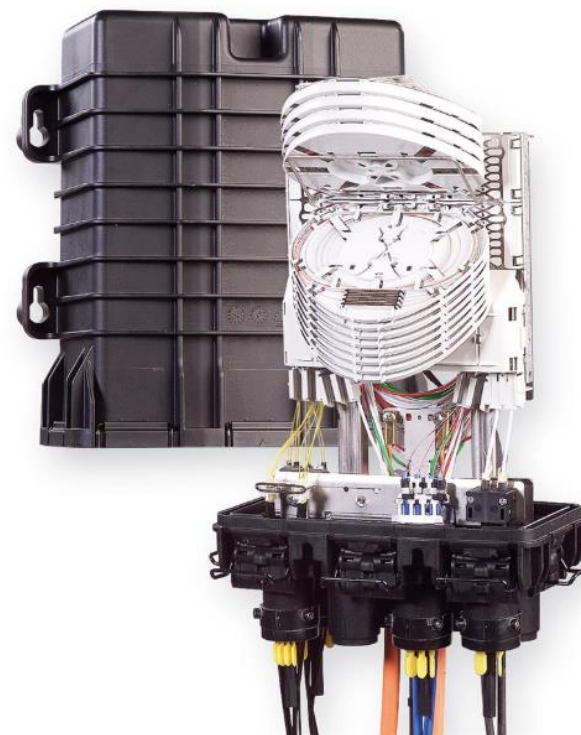
**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 30 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5 m waterhead**



COMMScope

# FIST GCO2-FC6 (HD)

Network application: **Access & distribution**

Dimensions (mm): **(l) 384 x (w) 279 x (d) 150**

Pit requirements: **6 Pit/Pole (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **24 splices per tray**

Maximum number of trays: **20**

Maximum splices: **480**

Maximum number of fibres: **960f**

Number of Cable Ports: **7**

**Main Cable Diameter, maximum** 25.00 mm

**Cable Entry Drop Port Diameter** 30 mm

**Cable Entry Main Port Dimensions** 30 mm x 82 mm (1.18 in x 3.23 in)

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5 m waterhead**



COMMScope

# FIST GCO2-FD6

Network application: **Access & distribution**

Dimensions (mm): **(l) 432 x (w) 279 x (d) 150**

Pit requirements: **6 Pit/Pole (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **12 splices per tray**

Maximum number of trays: **12**

Maximum splices: **144**

Maximum number of fibres: **288f**

Number of Cable Ports: **7**

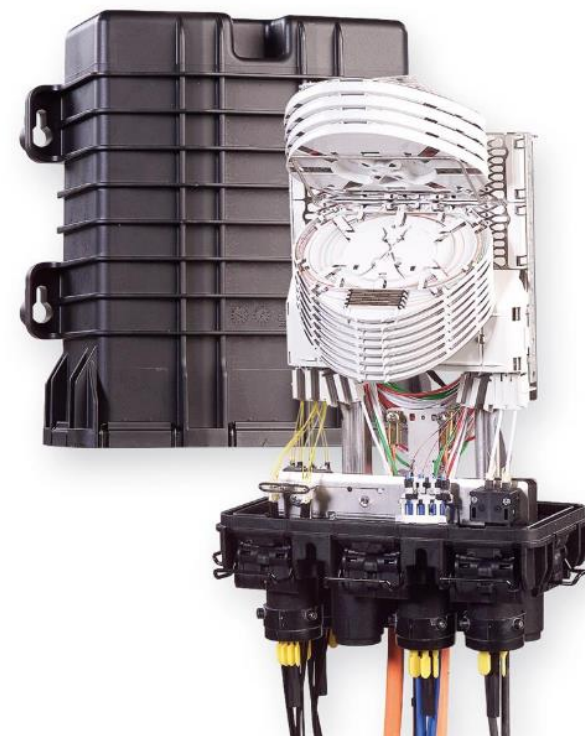
**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 30 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5 m waterhead**



COMMScope

# FIST GCO2-FD6 (HD)

Network application: **Access & distribution**

Dimensions (mm): **(l) 432 x (w) 279 x (d) 150**

Pit requirements: **6 Pit/Pole (1200 x 410 x 600) mm**

Capacity for Single Element Management (SEM): **24 splices per tray**

Maximum number of trays: **24**

Maximum splices: **576**

Maximum number of fibres: **1152f**

Number of Cable Ports: **7**

**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 30 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5m waterhead**



COMMScope

# FIST GCO2-BE16

Network application: **Access**

Dimensions (mm): **(l) 680 x (d) 247**

Pit requirements: **8-9 Pit (1200 x 410 x 820) mm**

Capacity for Single Element Management (SEM): **12 splices per tray**

Maximum number of trays: **56**

Maximum splices: **672**

Maximum number of fibres: **1344f**

Number of Cable Ports: **16**

**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 14 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5m waterhead**





# FIST GCO2-BE16 (HD)

Network application: **Access**

Dimensions (mm): **(l) 680 x (d) 247**

Pit requirements: **8-9 Pit (1200 x 410 x 820) mm**

Capacity for Single Element Management (SEM): **12 splices per tray**

Maximum number of trays: **112**

Maximum splices: **1344**

Maximum number of fibres: **2688f**

Number of Cable Ports: **16**

**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 14 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5m waterhead**



COMMScope

# FIST GCO2-BF8

Network application: **Core**

Dimensions (mm): **(l) 770 x (d) 285**

Pit requirements: **9 Pit (1850 x 423 x 850) mm**

Capacity for Single Element Management (SEM): **18 splices per tray**

Maximum number of trays: **96**

Maximum splices: **1728**

Maximum number of fibres: **3456f**

Number of Cable Ports: **10**

**Main Cable Diameter, maximum 25.00 mm**

**Cable Entry Drop Port Diameter 20 mm**

**Cable Entry Main Port Dimensions 30 mm x 82 mm (1.18 in x 3.23 in)**

Operating temperature: **-20°C to + 60°C**

Qualification Standard: **IEC 61300, 5m waterhead**

