

Technical Data Sheet

Rosenberger

Fiber Distribution Unit, Plastic

FDU-1XX3XXXX

FDU-1113008B



FDU-1113016B



FDU-1113024B

Description

The Rosenberger fiber distribution unit is applied to connect distribution cables and drop cables. It branches part of fibers from multi-fiber cable and realize fiber access, distribution and termination. It comprises of optical cable stripping and fixation assembly, splicing module and so on.

Features

- Suitable for indoor or outdoor installation with IP65 protection
- Wall-mounted type available
- Suitable for indoor or outdoor soft cable
- Capacity:
 - 8 ~ 48 cores for SC simplex adaptors
 - 1x2, 1x4, 1x8 ,1x16 and 1x32 splitter available

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- Fiber additional attenuation: $\leq 0.1\text{dB}$
- Fiber bending radius: $\geq 30\text{mm}$
- Operating temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Ordering Information

| | Environment | Adapter type | Interface | Cabinet material | Max. capacity | Splice tray/pigtail | (Optional) Splitter Ratio |
|------|-------------|---------------|---------------|-------------------|---------------|-----------------------|---------------------------|
| FDU- | X | X | X | X | XXX | X | (X) |
| | 1: Outdoor | 0: no adapter | 0: no adaptor | 1:SPCC | 002: 2cores | A: no splice tray | 1: 1x2 |
| | 2: Indoor | 1: SC simplex | 1: UPC/SM | 2:Stainless steel | 004: 4cores | B: no pigtail | 2: 2x2 |
| | | 2: SC duplex | 2: APC | 3:Plastic | 008: 8cores | C: with 0.9mm pigtail | 3: 1x4 |
| | | 3: LC simplex | 3: UPC/MM | | 012: 12cores | D: with 2.0mm pigtail | 4: 2x4 |
| | | 4: LC duplex | | | 024: 24cores | E: with 3.0mm pigtail | 5: 1x8 |
| | | 5: FC simplex | | | 036: 36cores | | 6: 2x8 |
| | | | | | 048: 48cores | | 7: 1x16 |
| | | | | | 072: 72cores | | 8: 2x16 |
| | | | | | 096: 96cores | | |

Part Number e.g.

| P/N | Description | Splice Tray Counts(Max) |
|--------------|--|-------------------------|
| FDU-1003008B | 8F Outdoor FDU, without adaptor and pigtails, Plastic | 1x12 |
| FDU-1113008B | 8F Outdoor FDU, with SC/UPC simplex adaptors, Plastic | 1x12 |
| FDU-1413012A | 12F Outdoor &Indoor FDU, with LC/UPC duplex adaptors, Plastic | 1x12 |
| FDU-1113008C | 8F Outdoor FDU, with SC/UPC simplex adaptors and pigtails, Plastic | 1x12 |

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| | | |
|--------------|--|------|
| FDU-1413012D | 12F Outdoor FDU, with LC/UPC duplex adaptors and pigtails, Plastic | 1x12 |
| FDU-1113024B | 24F FDU, outdoor , plastic, fully with SC/UPC adaptor | 1x24 |
| FDU-1113024C | 24F FDU, outdoor, plastic, fully with SC/UPC adaptor & pigtails | 1x24 |
| FDU-1113036B | 36F FDU, outdoor, plastic, fully with SC/UPC adaptor | 2x24 |
| FDU-1113036C | 36F FDU, outdoor, plastic, fully with SC/UPC adaptor & pigtails | 2x24 |
| FDU-1113048B | 48F FDU, outdoor, plastic, fully with SC/UPC adaptor | 2x24 |
| FDU-1113048C | 48F FDU, outdoor, plastic, fully with SC/UPC adaptor & pigtails | 2x24 |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft | Date | Checker | Approved | Date | Rev. | Engineering change number | Name | Date |
|------------|----------|--------------|-----------|----------|------|---------------------------|------------|----------|
| Magic Chen | 12/12/13 | Michael Tang | Laddie Lu | 12/12/13 | J00 | ECN 13-416 | Magic Chen | 25/03/14 |

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