Data sheet

# CABTITE FR 16/8 BK SET

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

The frame, fabricated from a single piece, is quick and easy to assemble and consists of dimensionally stable, fibre-glass reinforced plastic. The captive foamed seal guarantees effective IP66 sealing in accordance with DIN EN 60529, even on painted and rough surfaces.

## General ordering data

| | |
|---|---|
| Version | Frame, Cabtite (cable entry system), Polyamide, glass fibre-reinforced, Deep black, Height: 70 mm, Width: 126 mm, Depth: 19.6 mm, -40 °C...120 °C, IP66 |
| Order No. | 2583740000 |
| Type | CABTITE FR 16/8 BK SET |
| GTIN (EAN) | 4050118617146 |
| Qty. | 1 items |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | CE |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 19.6 mm | Depth (inches) | 0.7717 inch |
| Height | 70 mm | Height (inches) | 2.7559 inch |
| Height of lowest version | 19.6 mm | Width | 126 mm |
| Width (inches) | 4.9606 inch | Diameter | 5.5 mm |
| Mounting dimension - height | 103 mm | Mounting dimension - width | 32 mm |
| Net weight | 42.48 g | | |

### Temperatures

| | |
|---|---|
| Operating temperature | -40 °C...120 °C |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### General information

| | | | |
|---|---|---|---|
| Tightening torque | 3 Nm | Silicone | No |
| UL 94 flammability rating | V-0 | Halogen | No |
| Protection degree | IP66 | Basic material | Polyamide, glass fibre-reinforced |
| Sealing | TPE | Protection class (UL) | Type 12, Type 4X |
| Opening length | 91 mm | Opening width | 46 mm |
| Sealing element | 2 large sealing elements or 4 small sealing elements or 1 large sealing element and 4 small sealing elements or 8 small sealing elements | | |

### Standard features

| | | | |
|---|---|---|---|
| Version | in closed state | Reference product | CABTITE FR 16/8 BK, CABTITE GI I BK, CABTITE GI X BK |

### Important note

| | |
|---|---|
| Product information | The set is made from UR-certified individual parts, so the approval is also valid for the set. Fixing material for mounting on the enclosure or control cabinet, is not included. |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002624 | ETIM 9.0 | EC002624 |
| ETIM 10.0 | EC002624 | ECLASS 14.0 | 27-18-28-15 |
| ECLASS 15.0 | 27-18-28-15 | | |

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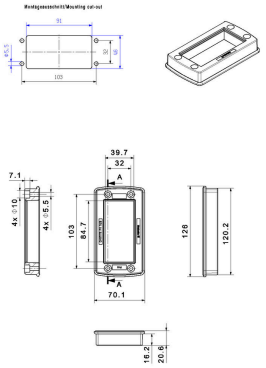
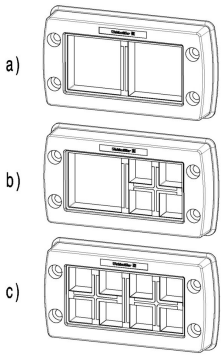
## Drawings



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## Accessories

### Shield connection rails

In combination with a large number of different shield connection clamps (KLBÜ), the shield connection rails enable practical, uncomplicated and fast shielding of cables.

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE CR 16/8 EMV | Version |
| Order No. | 2583910000 | Shield connection rail, Cabtite (cable entry system), Steel, galvanized, |
| GTIN (EAN) | 4050118647051 | silver, Height: 35.23 mm, Width: 113 mm, Depth: 16 mm |
| Qty. | 10 ST | |

### Locking frame

The frame, fabricated from a single piece, is quick and easy to assemble and consists of dimensionally stable, fibre-glass reinforced plastic. The captive foamed seal guarantees effective IP66 sealing in accordance with DIN EN 60529, even on painted and rough surfaces.

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE FRL 16/8 BK | Version |
| Order No. | 2584220000 | Locking frame, Cabtite (cable entry system), Polyamide, glass fibre- |
| GTIN (EAN) | 4050118616590 | reinforced, Deep black, Height: 68.8 mm, Width: 125 mm, Depth: |
| Qty. | 10 ST | 11.3 mm, -40 °C...120 °C, IP66 |

### Fixing material

The Cabtite cable entry system offers maximum flexibility in the cable management of control cabinets, enclosures and machines, while at the same time saving time, as well as providing secure sealing and strain relief for pre-terminated and non-terminated cables.
Cabtite's modular design of frame, grid inlays and sealing elements enables rapid configuration of cut-outs for pre-terminated cables - without the use of tools and with a reliable sealing of IP66 according to DIN EN 60529.
Frame. Inlay. Sealing element. Three basic components in the modular system guarantee highest flexibility, variability and diversity of variants.

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## Accessories

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE SC M5X25 SET | Version |
| Order No. | 2635120000 | Mounting screw, Cabtite (cable entry system), Stainless steel, rust- |
| GTIN (EAN) | 4050118662160 | proof, silver, Height: 30 mm, Width: 8.5 mm, Depth: 8.5 mm |
| Qty. | 1 ST | |

### SE small 20x20mm in grey

Whether a large or small cable diameter – Cabtite always offers the right seal insert.
The conical shape of the sealing elements allows the previously positioned snap-in grid inlays to be pushed in easily from the inside to the outsid. It reliably seals intermediate spaces and provides strain relief in accordance with DIN EN 62444. The seal inserts combined with the frames achieve an IP 66 degree of protection. As a result of its slotted design with wave cut, it is especially suitable for pre-assembled cables.

- The black seal inserts are designed for a particularly high operating temperature and offer fire safety class UL 94 HB
- The grey sealing elements comply with fire safety class UL 94 V0 and are therefore suitable for the demands of the railway industry
- By using multiple inserts, two or more cables, as well as special cables, can be passed through a sealing element

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE BSE SML GY | Version |
| Order No. | 2583350000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118615609 | 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |
| Type | CABTITE SE 5-6 SML GY | Version |
| Order No. | 2583450000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118616538 | 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |
| Type | CABTITE SE 6-7 SML GY | Version |
| Order No. | 2583460000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118616668 | 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |
| Type | CABTITE SE 2/5-6 SML GY | Version |
| Order No. | 2584890000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118616781 | 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |

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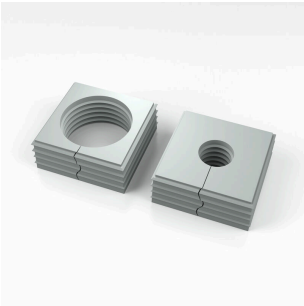
## Accessories

### SE large 40x40mm in grey



Whether a large or small cable diameter – Cabtite always offers the right seal insert.
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- By using multiple inserts, two or more cables, as well as special cables, can be passed through a sealing element

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE BSE LRG GY | Version |
| Order No. | 2584520000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118616330 | 42.8 mm, Width: 42.8 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |
| Type | CABTITE SE 19-20 LRG GY | Version |
| Order No. | 2584460000 | Sealing element, Cabtite (cable entry system), TPE, Light Grey, Height: |
| GTIN (EAN) | 4050118616491 | 42.8 mm, Width: 42.8 mm, Depth: 17.7 mm, -40 °C...90 °C, IP66 |
| Qty. | 10 ST | |

### SE small 20x20mm in black

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## Accessories

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE BSE SML BK | Version |
| Order No. | 2584790000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118616057 | Height: 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |
| Type | CABTITE SE 7-8 SML BK | Version |
| Order No. | 2584670000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118616989 | Height: 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |
| Type | CABTITE SE 9-10 SML BK | Version |
| Order No. | 2584080000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118616309 | Height: 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |
| Type | CABTITE SE 4/4-5 SML BK | Version |
| Order No. | 2583560000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118616897 | Height: 20.3 mm, Width: 20.3 mm, Depth: 17.7 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |

### SE large 40x40mm in black

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- By using multiple inserts, two or more cables, as well as special cables, can be passed through a sealing element

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE BSE LRG BK | Version |
| Order No. | 2583900000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118616378 | Height: 42.8 mm, Width: 42.8 mm, Depth: 17.7 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |
| Type | CABTITE CSE 7-24 LRG BK | Version |
| Order No. | 2583500000 | Sealing element, Cabtite (cable entry system), TPE, Deep black, |
| GTIN (EAN) | 4050118615975 | Height: 42.8 mm, Width: 42.8 mm, Depth: 63 mm, -40 °C...120 °C, |
| Qty. | 10 ST | IP66 |

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## Accessories

### Blanking plug

The blanking plugs are used for the safe closing of unneeded cable passages in the sealing elements.

### General ordering data

| | | |
|---|---|---|
| Type | CABTITE BP 5MM PA | Version |
| Order No. | 2652330000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 12 mm, Width: 5 mm, Depth: 12 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118661835 | |
| Qty. | 25 ST | |
| Type | CABTITE BP 6MM PA | Version |
| Order No. | 2652340000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 16 mm, Width: 6 mm, Depth: 16 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118661842 | |
| Qty. | 25 ST | |
| Type | CABTITE BP 7MM PA | Version |
| Order No. | 2652350000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 16 mm, Width: 7 mm, Depth: 16 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118662450 | |
| Qty. | 25 ST | |
| Type | CABTITE BP 8MM PA | Version |
| Order No. | 2652360000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 16 mm, Width: 8 mm, Depth: 16 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118662467 | |
| Qty. | 25 ST | |
| Type | CABTITE BP 9MM PA | Version |
| Order No. | 2652370000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 16 mm, Width: 9 mm, Depth: 16 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118662474 | |
| Qty. | 25 ST | |
| Type | CABTITE BP 10MM PA | Version |
| Order No. | 2652380000 | Blind plug, Cabtite (cable entry system), Polyamide, white, Height: 16 mm, Width: 10 mm, Depth: 16 mm, -40 °C...120 °C, IP66 |
| GTIN (EAN) | 4050118662481 | |
| Qty. | 25 ST | |