

Datasheet

Cabtite – The modular cable entry system for pre-assembled cables and cables with and without plugs



The cable entry system Cabtite offers maximum flexibility in the cable management of control cabinets, enclosures and machines while saving time, as well as a secure sealing and strain relief of pre-assembled and unassembled cables. The modular design consisting of a frame or cable gland, snap-in inlays, and sealing elements allows quick configuration of cable entry cut-outs – without tools and with reliable sealing in IP66 according to DIN EN 60529.

Three basic components in the modular principle guarantee highest flexibility, variability and variety of variants.

Your benefits at a glance:

- Fast adaptation of cable management in the event of system changes, service and maintenance cases
- Tamper protection can be achieved through an optional internal locking frame be established
- No loss of warranty on pre-assembled cables
- IP66, NEMA 4X and 12 thanks to captive foamed gasket
- Integrated strain relief of the cables in accordance to DIN EN 62444
- Operation Temperature Range: -40 °C to +120 °C, depending on the material, for a wide variety of applications
- Installation safety through simple handling with acoustic feedback


UL File #: E223801

Weidmüller, Mexico
Blvd. Hermanos Serdán 698,
Col. San Rafael Oriente
Puebla, Puebla, Mexico
C.P. 72029
Telephone: 01 222 2686267
Facsimile: 01 222 2686219
Email: clientes@weidmuller.com.mx
Website: www.weidmuller.com.mx

Weidmüller, Canada
10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Weidmüller, United States
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

Personal support can
be found on our website:
www.weidmueller.com/contact

Rectangular Frame - Cabtite FR

The one-piece frame is quick and easy to assemble and consists of dimensionally stable made from glass fiber reinforced plastic and is available in 4 different sizes. The captive foamed seal guarantees IP66 in accordance with DIN EN 60529 and also NEMA 4x and 12 rating, even on painted and rough surfaces. The frames sets contain the click inlays for an individual configuration of small and large sealing elements. The sealing elements are not included in the frame set and must be ordered separately to the cable diameter which is chosen.

Technical Data

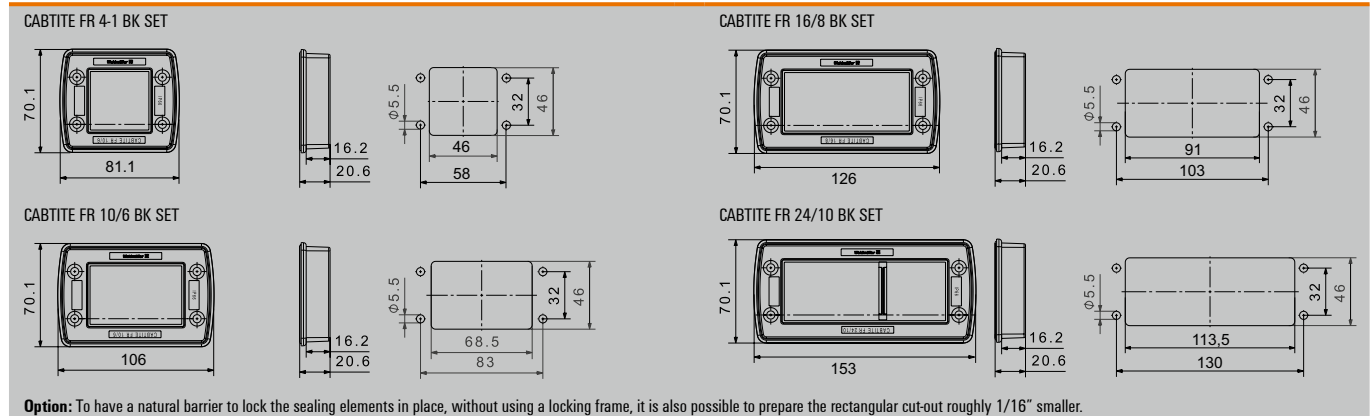
Material	Polyamide PA 6.6, glass-fibre reinforced TPE Halogen-free / silicone-free
Color	black RAL 9005
Flammability	UL 94 V-0
Temperature range	-40 °C to + 120 °C
Degree of protection	IP66
Tightening torque of the Frame	3 Nm



Ordering data

Type		Qty.	Part No.
CABTITE FR 4-1 BK		1	2583490000
CABTITE FR 10/6 BK		1	2583480000
CABTITE FR 16/8 BK		1	2583470000
CABTITE FR 24/10 BK		1	2583800000

Dimensions



Click inlays - Cabtite GI

The pluggable click inlays allow the frame openings to be configured as required for use with small or large sealing elements. An audible "click" confirms correct installation. This means that the Cabtite cable entry system can be variably configured for different requirements (cables, conductors, hoses, pneumatic and hydraulic lines).

Technical Data

Material	Polyamide PA 6.6, glass-fibre reinforced TPE Halogen-free / silicone-free
Color	black RAL 9005
Flammability	UL 94 V-0
Temperature range	-40 °C to + 120 °C



Ordering data


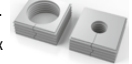



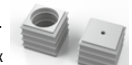

Type	Design information		Qty.	Part No.
CABTITE GI I BK	For a vertical division I - Shape		5	2584320000
CABTITE GI T BK	2-fold inlay T - Shape		5	2584300000
CABTITE GI X BK	4-fold inlay X - Shape		5	2584290000
CABTITE GI H BK	6-fold inlay H - Shape		5	2584270000

Rectangular Frame Sets - Cabtite FR

Ordering data

Type	Set consists of	Qty.	Part No.
CABTITE FR 4-1 BK SET	1x CABTITE FR 4-1 BK,	1	2583780000
	1x CABTITE GI X BK		



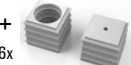





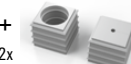

Possible combinations

Set	+ Sealing elements
	+ 1x  = 
 + 	+ 4x  = 

Ordering data

Type	Set consists of	Qty.	Part No.
CABTITE FR 10/6 BK SET	1x CABTITE FR 10/6 BK,	1	2583760000
	1x CABTITE GI H BK,		
	1x CABTITE GI T BK		






Possible combinations

Set	+ Sealing elements
 + 	+ 6x  = 
 + 	+ 1x  = 
	+ 2x  = 

Ordering data

Type	Set consists of	Qty.	Part No.
CABTITE FR 16/8 BK SET	1x CABTITE FR 16/8 BK,	1	2583740000
	1x CABTITE GI I BK,		
	2x CABTITE GI X BK		



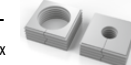



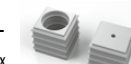













Possible combinations

Set	+ Sealing elements
 + 	+ 2x  = 
 + 	+ 1x  = 
 + 	+ 4x  = 
 + 	
	+ 2x  = 
	+ 8x  = 

Ordering data

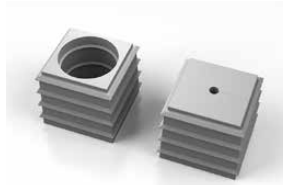
Type	Set consists of	Qty.	Part No.
CABTITE FR 24/10 BK SET	1x CABTITE FR 24/10 BK,	1	2583720000
	1x CABTITE GI T BK,		
	1x CABTITE GI X BK,		
	1x CABTITE GI H BK		

Possible combinations

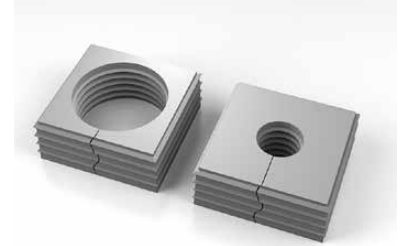
Set	+ Sealing elements
 + 	+ 2x  = 
 + 	+ 2x  = 
 + 	+ 1x  = 
 + 	+ 6x  = 
 + 	
	+ 10x  = 

Cable Sealing Elements / Grommets - Cabtite SE

The conical shape of the sealing elements allows for easy installation, seals gaps reliably and ensures strain relief in accordance to DIN EN 62444. Depending on the material, flammability according to UL94 of VO (gray) or HB (black) possible. For installation, they are pressed into place from the inside of the frame inlays. As a result of its slotted design with wave cut, it is especially suitable for pre-assembled cables. The seal elements combined with the frames achieve an IP 66 degree of protection. For safe sealing different sealing elements with different cable diameters and geometries are available.



Small sealing elements - Clamping range 1.5-16 mm grey version



Large sealing elements - Clamping range 14-35 mm grey version

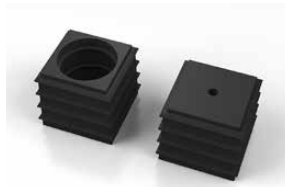
Technical Data

Material	TPE
	Halogen-free / silicone-free
Color	grey RAL 7035
Flammability	UL 94 V-0
Temperature range	-40 °C to + 90 °C (static)
Degree of protection	IP66

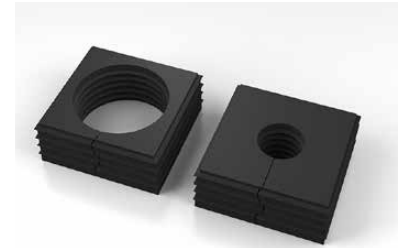
Ordering data

Type	Clamping range, mm	Design information	Qty.	Part No.
CABTITE BSE SML GY	Blanking Plug	small	10	2583350000
CABTITE SE 1.5-2 SML GY	1.5-2	small	10	2583360000
CABTITE SE 1.5 SML GY	1.25-1.75	small	10	2583370000
CABTITE SE 2-3 SML GY	2-3	small	10	2583380000
CABTITE SE 2 SML GY	1.75-2.25	small	10	2583390000
CABTITE SE 3-4 SML GY	3-4	small	10	2583400000
CABTITE SE 3 SML GY	2.75-3.25	small	10	2583410000
CABTITE SE 4-5 SML GY	4-5	small	10	2583440000
CABTITE SE 5-6 SML GY	5-6	small	10	2583450000
CABTITE SE 6-7 SML GY	6-7	small	10	2583460000
CABTITE SE 7-8 SML GY	7-8	small	10	2584660000
CABTITE SE 8-9 SML GY	8-9	small	10	2584650000
CABTITE SE 9-10 SML GY	9-10	small	10	2584630000
CABTITE SE 10-11 SML GY	10-11	small	10	2584610000
CABTITE SE 11-12 SML GY	11-12	small	10	2584600000
CABTITE SE 12-13 SML GY	12-13	small	10	2584590000
CABTITE SE 13-14 SML GY	13-14	small	10	2584570000
CABTITE SE 14-15 SML GY	14-15	small	10	2584560000
CABTITE SE 15-16 SML GY	15-16	small	10	2584550000
CABTITE BSE LRG GY	Blanking Plug	large	10	2584520000
CABTITE SE 14-15 LRG GY	14-15	large	10	2584510000
CABTITE SE 15-16 LRG GY	15-16	large	10	2584500000
CABTITE SE 16-17 LRG GY	16-17	large	10	2584490000
CABTITE SE 17-18 LRG GY	17-18	large	10	2584480000
CABTITE SE 18-19 LRG GY	18-19	large	10	2584470000
CABTITE SE 19-20 LRG GY	19-20	large	10	2584460000
CABTITE SE 20-21 LRG GY	20-21	large	10	2584450000
CABTITE SE 21-22 LRG GY	21-22	large	10	2584440000
CABTITE SE 22-23 LRG GY	22-23	large	10	2584430000
CABTITE SE 23-24 LRG GY	23-24	large	10	2584420000
CABTITE SE 24-25 LRG GY	24-25	large	10	2584410000
CABTITE SE 25-26 LRG GY	25-26	large	10	2584400000
CABTITE SE 26-27 LRG GY	26-27	large	10	2584390000
CABTITE SE 27-28 LRG GY	27-28	large	10	2584370000
CABTITE SE 28-29 LRG GY	28-29	large	10	2584350000
CABTITE SE 29-30 LRG GY	29-30	large	10	2584380000
CABTITE SE 30-31 LRG GY	30-31	large	10	2584360000
CABTITE SE 31-32 LRG GY	31-32	large	10	2584340000
CABTITE SE 32-33 LRG GY	32-33	large	10	2584920000
CABTITE SE 33-34 LRG GY	33-34	large	10	2584910000
CABTITE SE 34-35 LRG GY	34-35	large	10	2595530000
Sealing elements with multiple holes, grey, in small				
CABTITE SE 2/4-5 SML GY	4-5	small	10	2584900000
CABTITE SE 2/5-6 SML GY	5-6	small	10	2584890000
CABTITE SE 2/6-5 SML GY	6,5	small	10	2584880000
CABTITE SE 4/2-3 SML GY	2-3	small	10	2584870000
CABTITE SE 4/3-4 SML GY	3-4	small	10	2584860000
CABTITE SE 4/4-5 SML GY	4-5	small	10	2584840000
CABTITE SE 2/7 SML GY	6.75 - 7.25	small	10	2584830000
CABTITE SE 2/8 SML GY	7.75 - 8.25	small	10	2584820000
Sealing elements with special geometry ASI, grey, in small				
CABTITE SE 1/ASI SML GY	ASI cable	small	10	2584810000
CABTITE SE 2/ASI SML GY	ASI cable	small	10	2584800000

Note: Model Type (example): Cabtite SE 2/4-5 SML GY
2 = 2 entries / 4 - 5 = ea. entry sealing range of 4 mm - 5 mm



Small sealing elements - Clamping range 1.5-16 mm black version



Large sealing elements - Clamping range 14-35 mm black version

Technical Data

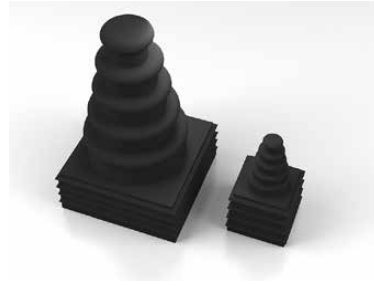
Material	TPE
	Halogen-free / silicone-free, UV stabilized
Color	black RAL 9005
Flammability	UL94 HB
Temperature range	-40 °C to + 120 °C (static)
Degree of protection	IP66
High chemical resistance	

Ordering data

Type	Clamping range, mm	Design information	Qty.	Part No.
CABTITE BSE SML BK	Blanking Plug	small	10	2584790000
CABTITE SE 1.5-2 SML BK	1.5-2	small	10	2584780000
CABTITE SE 1.5 SML BK	1.25-1.75	small	10	2584770000
CABTITE SE 2-3 SML BK	2-3	small	10	2584760000
CABTITE SE 2 SML BK	1.75-2.25	small	10	2584750000
CABTITE SE 3-4 SML BK	3-4	small	10	2584730000
CABTITE SE 3 SML BK	2.75-3.25	small	10	2584720000
CABTITE SE 4-5 SML BK	4-5	small	10	2584680000
CABTITE SE 5-6 SML BK	5-6	small	10	2584710000
CABTITE SE 6-7 SML BK	6-7	small	10	2584690000
CABTITE SE 7-8 SML BK	7-8	small	10	2584670000
CABTITE SE 8-9 SML BK	8-9	small	10	2584330000
CABTITE SE 9-10 SML BK	9-10	small	10	2584080000
CABTITE SE 10-11 SML BK	10-11	small	10	2584060000
CABTITE SE 11-12 SML BK	11-12	small	10	2584040000
CABTITE SE 12-13 SML BK	12-13	small	10	2584020000
CABTITE SE 13-14 SML BK	13-14	small	10	2584000000
CABTITE SE 14-15 SML BK	14-15	small	10	2583980000
CABTITE SE 15-16 SML BK	15-16	small	10	2583960000
			10	
CABTITE BSE LRG BK	Blanking Plug	large	10	2583900000
CABTITE SE 14-15 LRG BK	14-15	large	10	2583880000
CABTITE SE 15-16 LRG BK	15-16	large	10	2583860000
CABTITE SE 16-17 LRG BK	16-17	large	10	2583850000
CABTITE SE 17-18 LRG BK	17-18	large	10	2583840000
CABTITE SE 18-19 LRG BK	18-19	large	10	2583830000
CABTITE SE 19-20 LRG BK	19-20	large	10	2583810000
CABTITE SE 20-21 LRG BK	20-21	large	10	2583790000
CABTITE SE 21-22 LRG BK	21-22	large	10	2583770000
CABTITE SE 22-23 LRG BK	22-23	large	10	2583750000
CABTITE SE 23-24 LRG BK	23-24	large	10	2583730000
CABTITE SE 24-25 LRG BK	24-25	large	10	2583710000
CABTITE SE 25-26 LRG BK	25-26	large	10	2583700000
CABTITE SE 26-27 LRG BK	26-27	large	10	2583690000
CABTITE SE 27-28 LRG BK	27-28	large	10	2583680000
CABTITE SE 28-29 LRG BK	28-29	large	10	2583670000
CABTITE SE 29-30 LRG BK	29-30	large	10	2583660000
CABTITE SE 30-31 LRG BK	30-31	large	10	2583650000
CABTITE SE 31-32 LRG BK	31-32	large	10	2583640000
CABTITE SE 32-33 LRG BK	32-33	large	10	2583630000
CABTITE SE 33-34 LRG BK	33-34	large	10	2595510000
CABTITE SE 34-35 LRG BK	34-35	large	10	2595520000
Sealing elements with multiple holes, black, in small				
CABTITE SE 2/4-5 SML BK	4-5	small	10	2583620000
CABTITE SE 2/5-6 SML BK	5-6	small	10	2583610000
CABTITE SE 2/6.5 SML BK	6,5	small	10	2583600000
CABTITE SE 4/2-3 SML BK	2-3	small	10	2583590000
CABTITE SE 4/3-4 SML BK	3-4	small	10	2583580000
CABTITE SE 4/4-5 SML BK	4-5	small	10	2583560000
CABTITE SE 2/7 SML BK	6.75 - 7.25	small	10	2583550000
CABTITE SE 2/8 SML BK	7.75 - 8.25	small	10	2583540000
Sealing elements with special geometry ASI, black, in small				
CABTITE SE 1/ASI SML BK	ASI cable	small	10	2583530000
CABTITE SE 2/ASI SML BK	ASI cable	small	10	2583520000
Note: Model Type (example): Cabtite SE 2/4-5 SML BK 2 = 2 entries / 4 - 5 = ea. entry sealing range of 4 mm - 5 mm				

Cone shape sealing elements - Cabtite CSE

The sealing element CSE are particularly suitable when the cable diameter of individual wires in the application is not known exactly. The sealing elements CSE are not split and therefore not suitable for pre-assembled cables! Depending on the cable diameter, the flexible sealing element is customized to fit, by using a knife or pair of scissors to make the entry opening.



Technical Data

Material	TPE
	Halogen-free / silicone-free, UV stabilized
Color	black RAL 9005
Flammability	UL 94 HB
Temperature range	-40 °C to + 120 °C (static)
Degree of protection	IP66
High chemical resistance	
Not divisible, cone must be cut off for clamping range	

Ordering data

Type	Clamping range, mm	Design information	Qty.	Part No.
CABTITE CSE 2-11 SML BK	2-11	small	10	2583510000
CABTITE CSE 7-24 LRG BK	7-24	large	10	2583500000

Separable cable glands - Cabtite SCG

The two-sheath cable gland (for round metric cut-outs from M20 to M63) is quick and easy to install and consists of dimensionally stable, glass-fiber reinforced plastic. The system can be used for 1.5 to 35 mm pre-assembled cables to be inserted quickly and safely in panels or enclosures. Reliable sealing of IP66 in accordance with DIN EN 60529 and a secure fitting (strain relief based on DIN EN 62444) is ensured by placing slotted sealing elements with a wave cut around the cable before being inserted into one of the two halves of the cable gland. After inserting the sealing element, the two halves of the cable gland are simply snapped together. A locknut, which is also separable, on the inside of the panel ensures a reliable and secure hold. The snap-in inlay GI X can be used to divide the cable gland for small sealing elements; the lock nut is included in the delivery.



Technical Data

Material	Polyamide PA 6.6, glass-fibre reinforced TPE
	Halogen-free / silicone-free, UV stabilized
Color	black RAL 9005
Flammability	UL 94 HB
Temperature range	-40 °C to + 120 °C (static)
Degree of protection	IP66

Ordering data

Type	Design information	Qty.	Part No.
CABTITE CGS M20 BK	Suitable for 1 small sealing element	10	2584200000
CABTITE CGS M25 BK	Suitable for 1 small sealing element	10	2584180000
CABTITE CGS M32 BK	Suitable for 1 small sealing element	10	2584160000
CABTITE CGS M40 BK*	Suitable for 1 large or 4 small sealing elements	5	2584150000
CABTITE CGS M50 BK*	Suitable for 1 large or 4 small sealing elements	5	2584130000
CABTITE CGS M63 BK*	Suitable for 1 large or 4 small sealing elements	5	2584120000

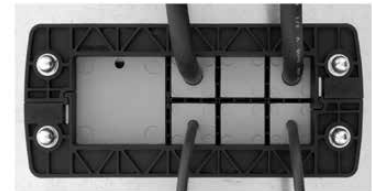
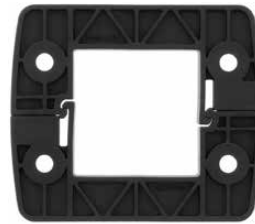
* Can accommodate 4 small sealing elements with the CABTITE GI X BK - 2584290000 inlays.

Cabtite - Accessories

In addition to the standard products described on the earlier pages, there are other accessories such as locking frame, lock nuts and shielding rail.

Locking Frame separable - Cabtite FRL

With the optional locking frame, the sealing elements secured against tool-free or accidental pushing out. The Application is thus protected against manipulation from the outside.



Technical Data

Material	Polyamide PA 6.6, glass-fibre reinforced
Color	black RAL 9005
Flammability	UL 94 V-0
Temperature range	-40 °C to + 120 °C

Ordering data

Type	Design information	Qty.	Part No.
CABTITE FRL 4-1 BK	for CABTITE FR 4-1 BK	10	2584260000
CABTITE FRL 10/6 BK	for CABTITE FR 10/6 BK	10	2584240000
CABTITE FRL 16/8 BK	for CABTITE FR 16/8 BK	10	2584220000
CABTITE FRL 24/10 BK	for CABTITE FR 24/10 BK	10	2584210000

Separable lock nut - Cabtite

The two halves of the lock nut can be quickly and easily put together and then mounted on the cable gland. This article serves as a spare part, since each divisible cable gland already contains a counter nut in the scope of delivery.



Technical Data

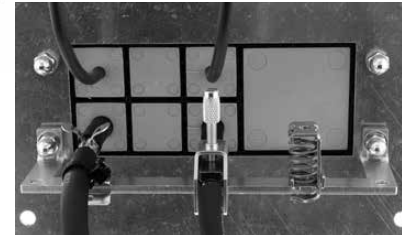
Material	Polyamide PA 6.6, glass-fibre reinforced
Color	black RAL 9005
Flammability	UL 94 V-0
Temperature range	-40 °C to + 120 °C

Ordering data

Type	Dimensions width x height	Design information	Qty.	Part No.
CABTITE LNS M20 BK	SW 28 x 7mm	M20x1.5	10	2584110000
CABTITE LNS M25 BK	SW 33 x 7mm	M25x1.5	10	2584090000
CABTITE LNS M32 BK	SW 40 x 7mm	M32x1.5	10	2584070000
CABTITE LNS M40 BK	SW 48 x 7mm	M40x1.5	5	2584050000
CABTITE LNS M50 BK	SW 58 x 7mm	M50x1.5	5	2584030000
CABTITE LNS M63 BK	SW 72 x 7mm	M63x1.5	5	2584010000

Shielding Rail - Cabtite CR

The shield connection rails, in combination with a large number of different shield connection clamps (KLBÜ), allow a practice-oriented, uncomplicated and fast shielding of the cables.



Technical Data

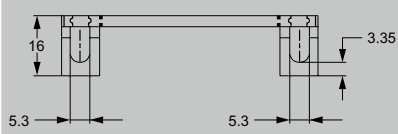
Material	Steel, zinc plated
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Ordering data

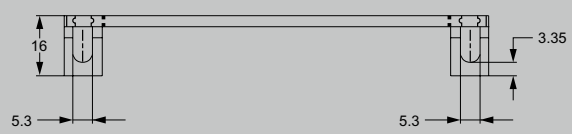
Type	Qty.	Part No.
CABTITE CR 4-1 EMV	10	2583950000
CABTITE CR 10/6 EMV	10	2583930000
CABTITE CR 16/8 EMV	10	2583910000
CABTITE CR 24/10 EMV	10	2583890000

Dimensions width x height

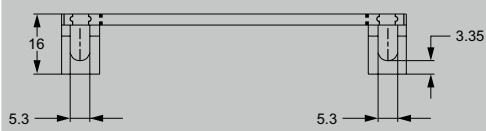
CABTITE CR 4-1 EMV for CABTITE FR 4-1 BK



CABTITE CR 16/8 EMV for CABTITE FR 16/8 BK



CABTITE CR 10/6 EMV for CABTITE FR 10/6 BK



CABTITE CR 24/10 EMV for CABTITE FR 24/10 BK

