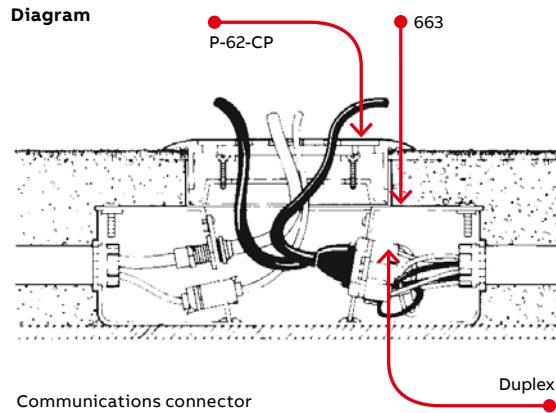


Floor box

663-SC Series

Features and benefits:

- Multiple service floor box that delivers power, communications and data from standard conduit with no exposed service fittings
- Result: open office planning flexibility
- Ideal for workstations that require power, communications and data service
- Stamped steel, concrete-tight, semi-adjustable
- Galvanized body and hardware
- Shipped complete with expendable cap to prevent ingress of concrete
- Blank- and duplex-face plates can be mounted at either end of the box
- **Does not include duplex faceplate**
- Uses P-62 and P-60 Series covers*



Engineering data for 663 Series floor box



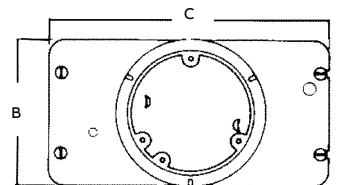
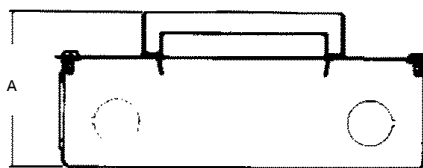
Cat. No.	Dimensions (in.)			Before Pour Adj.	After Pour Adj.	Maximum Capacity (cu. in.)	Conduit KOs	
	A	B	C				Sides	Bottom
663-SC	3 ⁵ / ₈	4 ¹¹ / ₁₆	8 ¹³ / ₁₆	None	3/4"	25 per gang 90 Total	(2) 1-1/4" (4) 3/4"	None



Cat. No.	Covers and carpet plates	Wiring device	Std. Ctn.
663-SC	P-62 Series P-60* Series	Duplex and/or data/voice	4

*P-62-TAR is required when using P-60 series covers.
Caution: To abandon 663 you must use a P-60 series brass cover plate.

Diagrams



Covers, carpet plates and adjusting rings

663 Series



P-60-3B

- Polished brass finish with nonmetallic bronze insert
- Plastic insert has one 7/8" cutout and two 1/2" cutouts
- Furnished complete with sealing gasket, 8-32 x 1/2" brass screws and one P-60-Q device plate
- Split cover sections have access notch for screw-driver lift



P-62-CP

- High-strength polycarbonate
- Furnished with one 7/8" cutout and two 1/2" cutouts and P-60-Q device plate
- 5 5/8" outside diameter



P-62-TAR

- Gives 3/4" adjustment when mounted on 663 floor box
- Accepts P-60-3B, P-60-CP and all P-60 Series cover plates (see page C41)



P-60-CP

- Polished-brass finish
- P-62-TAR is required when used on 663 floor box
- 5 11/16" outside diameter



Cat. No.	Description	Std. Ctn.
P-60-3B*	Brass cover plate — Includes 1 P60Q	4
P-62-CP-AS* ²	Polycarbonate cover and carpet plate (charcoal) — Includes 1 P60Q	4
P-62-CP-BRN* ²	Polycarbonate cover and carpet plate (brown) — Includes 1 P60Q	4
P-62-CP-G* ²	Polycarbonate cover and carpet plate (gold) — Includes 1 P60Q	4
P-60-CP	Carpet plate (polished brass)	4
P-60-CP-AL	Carpet plate (aluminum)	4
P-62-TAR	Flange and adjusting ring for 663 Box (brass)	4
P-62-TAR-AL	Flange and adjusting ring for 663 Box (aluminum)	4
P-60-Q	Duplex receptacle plate for 663 floor box	4
P-60-QB	Blank plate for 663 floor box	4
P-60-Q-GFCI	GFCI plate for 663 floor box	4

* For use as cover only when box is in service.

² When not in use, the P-62-CP Series Cover should be replaced by P-60-CP, P-60 and P-62 TAR Series Covers.

Caution: These covers are not to be used in high traffic areas.
For communications accessories, see page C113.

Multiple-service floor boxes for power, communications and data 664 Series

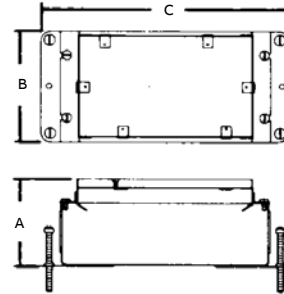
Features and benefits:



Multiple-service floor boxes deliver power, communications and data from standard conduit with no exposed service fittings. Result: Open office planning flexibility. Ideal for the modern office with workstations that have power, communications and data equipment. Power receptacles and low-voltage connections can be enclosed underfloor in either steel or cast-iron bodies. Galvanized 14-gauge steel boxes are provided with knockouts from 3/8" to 1 1/4" (see engineering data). Cast-iron bodies have threaded openings for 3/4" and 1" conduit.

- Two-compartment box is available in three configurations: stamped steel (664-SC), shallow (664-S) and cast iron (664-CI)
- Durable nonmetallic covers include a steel reinforcement plate for added strength
- Metallic covers in solid brass, aluminum and aluminum black powder-coated provide aesthetics and durability
- Cover flange self-levels with the finished floor for easy installation



Diagrams



	Cat. No.	Description	Std. Ctn.
	664-SC	Stamped steel box which accepts two plates, with one duplex 664-RP provided	4
	664-S	Shallow stamped steel box which accepts two plates, with one duplex 664-S-RP provided	4

Note: When ordering a 664 Series box, the cover must be ordered separately. See page C14.
For communications accessories, see page C113.

Engineering data for 664 Series



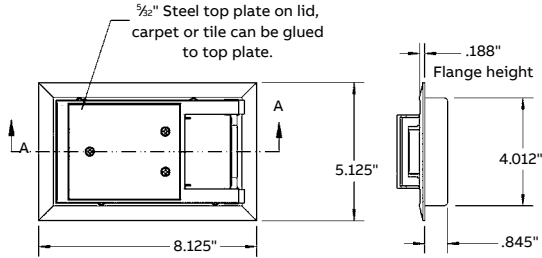
Cat. No.	Dimensions (in.)			Before Pour Adj. (in.)	After Pour Adj. (in.)	Maximum capacity (cu. in.)	Conduit Hubs	Conduit KOs		
	A	B	C					Sides	Bottom	Covers
664-SC	3 3/4	4 1 1/16	10 1/4	2 1/2	3/4	24 per gang, 90 total	—	(4) 1" - 1 1/4" (4) 3/4"	None	664-CST Series
664-S	2 7/8	4 1 1/16	10 1/4	1 1/2	3/4	16.5 per gang, 70 total	—	(6) 3/4"	None	664-CST Series

CAUTION: When using the center side KOs, Cat. No. 664-RP must be assembled to the box prior to installing the conduit.

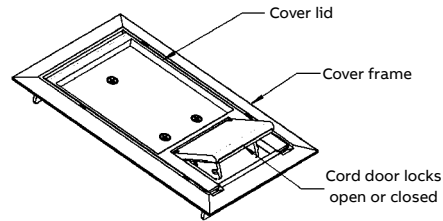
Nonmetallic covers

664 Series

Covers for all boxes



Diagram



664-CST-SW



Cat. No.	Description	Load Rating (lb)	Std. Ctn.
664-CST-SW-GRY	Grey cover	1,500	1
664-CST-SW-BRN	Brown cover	1,500	1
664-CST-SW-BGE	Beige cover	1,500	1
664-CST-SW-BLK	Black cover	1,500	1

MopTite covers meet UL/CSA scrubwater exclusion requirements for carpet, tile and wood

Metallic covers

664 Series



664-CST-M-BRS
Solid brass

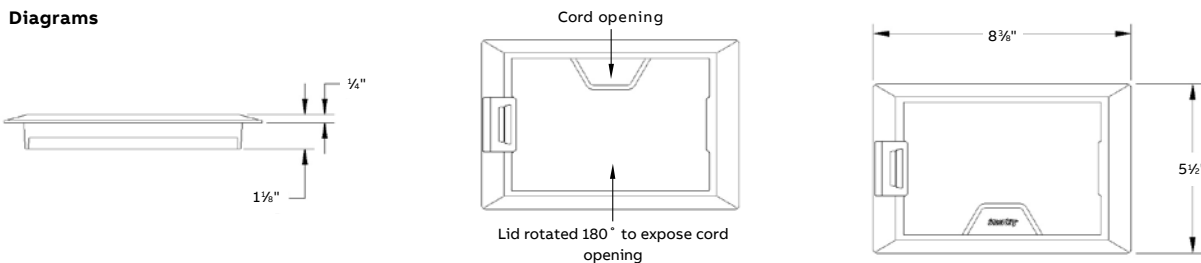


664-CST-M-ALM
Solid aluminum



664-CST-M-BLK
Solid aluminum cover, black powder coated

Diagrams

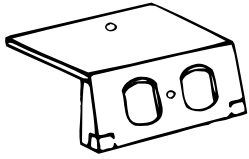


Cat. No.	Description	Load Rating (lb)	Std. Ctn.
664-CST-M-BRS	Solid brass cover for 664 Series floor boxes	2,250	1
664-CST-M-ALM	Solid aluminum cover for 664 Series floor boxes	2,250	1
664-CST-M-BLK	Solid aluminum cover, black powder coated for 664 Series floor boxes	2,250	1

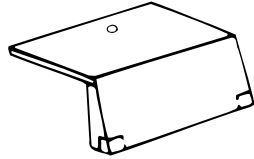
MopTite covers meet UL/CSA scrubwater exclusion requirements for carpet, tile and wood

Nonmetallic covers

664 Series



664-S-RP



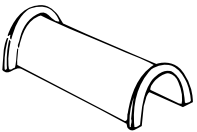
664-S-BP



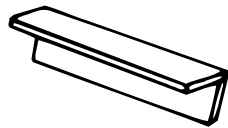
Cat. No.	Description	Std. Ctn.
664-S-RP	Receptacle plate for use with 664-S floor box	4
664-S-BP	Blank plate for use with 664-S floor box	4

Wire tunnel

664 Series



664-WT



664-S-WT

- Wire tunnel for protecting electrical connections between the two receptacles when the box is used for power/power application



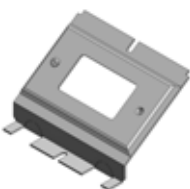
Cat. No.	Description	Std. Ctn.
664-WT	For use with 664 and 664-CI floor boxes	4
664-S-WT	For use with 664-S floor box	4

Device plates

664-SC & 664-CI Series



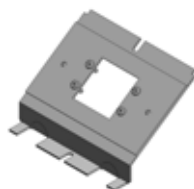
664-RP



664-GP



664-BP



664-2-MAAP

- Receptacle face plate for 664 Series floor box for additional power service
- Does not include receptacle. Can be placed at either end of floor box



Cat. No.	Description	Std. Ctn.
664-RP	For use with 664 and 664-CI floor boxes	4
664-BP	Blank plate for use with 664 & 664-CI floor boxes	4
664-GP	GFCI receptacle plate	4
664-2-MAAP	Device panel, accepts 2 Extron® MAAP plates	4

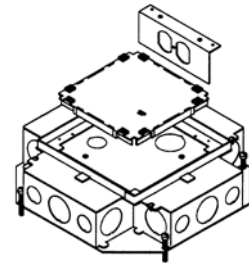
CAUTION: When using the center side KOs, all 664 plates must be assembled to the box prior to installing the conduit.

Stamped steel above grade applications

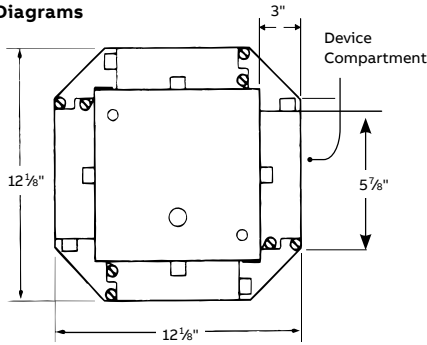
665-SC Series

Features and benefits:

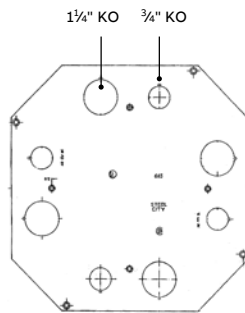
- Four (4) device compartments can accommodate any combination of devices.
For example: (3) duplex power devices and (1) duplex telephone device, or (2) voice and data connectors and (1) GFCI device and (1) blank, etc.
- Overall height of 3½" allows for shallow pours when needed
- High-strength polycarbonate cover with a 5/32" steel plate assures structural integrity
- Metallic Covers also available in solid brass and aluminum and black
- Four-side feed-through allows installer to feed through power or data/comm service from any orientation
- Nonmetallic wire tunnels aesthetically clean. Full-width tunnel provides maximum feed-through capacity; nonmetallic material prevents conductor damage
- Total access area of 126 cu. in. allows for friendly installation of workstation cables
- Contains 28 knockouts (16–1¼" and 12¾" KOs) that provide increased flexibility when installed
- The 665 line is an extension of the 664 Series; our concealed service line now allows the customer to install up to four device panels in one box
- Through the use of a unique nonmetallic wire tunnel, the installer can easily partition the power, voice/data requirements
- This UL/CSA Listed, stamped steel floor box can be installed with ABB voice and data connector products
- Four 2½" levelling screws provided with all boxes
- **Device plate and box cover must be ordered separately**



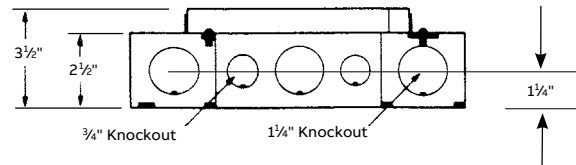
Diagrams



Top View



Bottom Plate



Cat. No.	Description	Length	Width	Device Compartments (in.)		Device Access Area	Std. Ctn.
				Height	Area		
665-SC	Stamped steel box	5¾	2¾	2½	40 cu. in.	126 cu. in.	1

Material: Pre-galvanized steel.
For communication accessories, see page C113.

2" KOs for audio visual applications

665 Series - 665-AV2

Features and benefits:

- 2" KOs enable pre-terminated AV cables and connectors to be pulled directly through the conduit
- Accepts standard 665 Series covers and device plates for power, voice, data and audio visual connections
- Rectangular adapters allow voice, data and AV connectors to be mounted in a standard GFCI device plate
- Keystone style voice, data and AV connectors meet a wide range of low-voltage applications.
- All connectors are recessed for flush mounting in floor box applications
- Device plates are available that accept Extron®
- MAAP plates to accommodate any AV requirements (Extron® MAAP plates purchased from an authorized Extron distributor)
- Metallic covers provide a durable, aesthetic installation, including solid brass covers, aluminum and black powder painted aluminum
- **Device plate and box cover must be ordered separately**



Rectangular adapters and Keystone Inserts for GFCI Device Plates (see page C114)

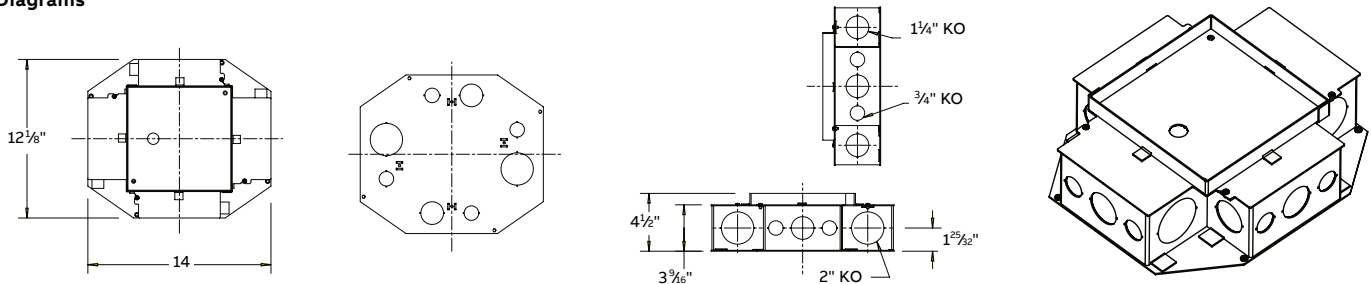


Cat. No.	Description	Std. Ctn.
665-AV2	4-Compartment recessed service floor Box with 2" KOs for AV applications	1

Extron® is a registered trademark of RGB Systems, Inc. For communication accessories, see page C113.

Engineering Information

Diagrams



665-AV2 Floor box engineering data



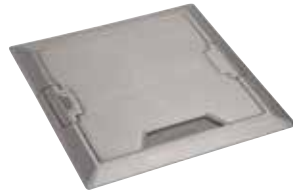
Cat. No.	Before Pour Adj. (in.)	After Pour Adj. (in.)	Length (in.)	Compartment size & capacity (qty = 4)			Conduit KOs (in.)	
				Width (in.)	Height (in.)	Volume	Sides	Bottom
665-AV2	2 1/2	3/4	(2) 5 3/4	3 3/4	3 3/8	72 cu. in.	(4) 2	(2) 2
			(2) 5 3/4	2 3/4	3 3/8	52 cu. in.	(8) 1 1/4	(2) 1 1/4
							(8) 3/4	(4) 3/4

Metallic covers

665 Series



665-CST-M-BRS
Solid brass

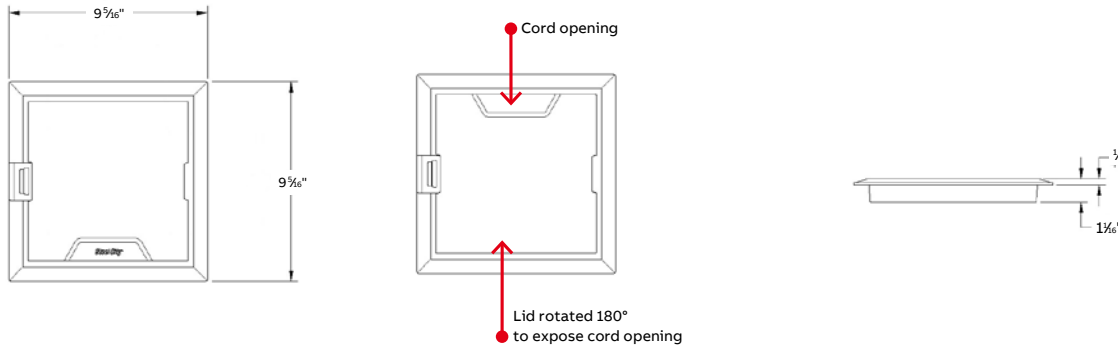


665-CST-M-ALM
Solid aluminum



665-CST-M-BLK
Solid aluminum, black powder coated

Diagrams



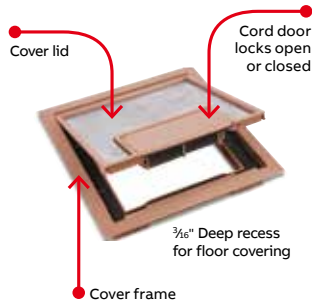
Cat. No.	Description	Load Rating (lb)	Std. Ctn.
665-CST-M-BRS	Solid brass cover for 665 Series floor boxes	1,500	1
665-CST-M-ALM	Solid aluminum cover for 665 Series floor boxes	1,500	1
665-CST-M-BLK	Solid aluminum cover, black powder coated for 665 Series floor boxes	1,500	1

Nonmetallic covers

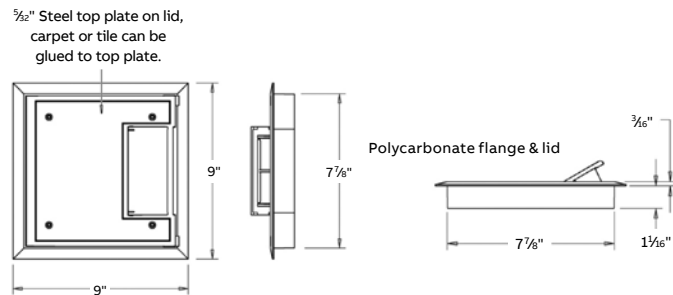
665 Series



665-CST-SW-BLK
Black nonmetallic cover



Diagrams



Cat. No.	Description	Load Rating (lb)	Std. Ctn.
665-CST-SW-BLK	Nonmetallic cover for 665 Series floor boxes, black	750	1
665-CST-SW-GRY	Nonmetallic cover for 665 Series floor boxes, grey	750	1
665-CST-SW-BGE	Nonmetallic cover for 665 Series floor boxes, beige	750	1
665-CST-SW-BRN	Nonmetallic cover for 665 Series floor boxes, brown	750	1

Furnished with (4) #8-32 x 3/8" mounting screws.
Contact ABB Technical Service for Color Chip samples.

Device plates and accessories

665 Series



665-RP
Duplex plate



665-GP
GFCI plate



665-BP
Blank plate



665-6RJ
Data plate for 6 keystone jacks



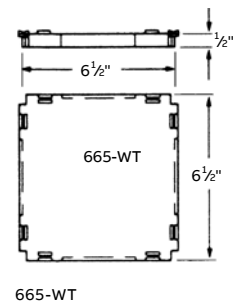
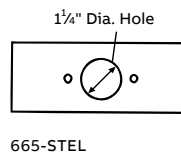
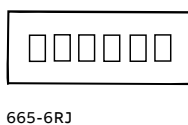
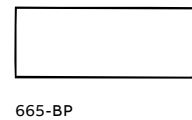
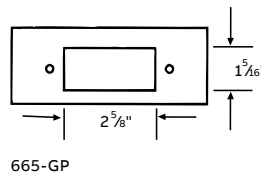
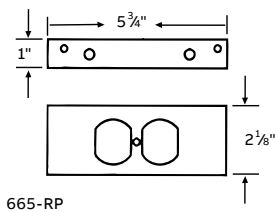
665-WT
Wire tunnel feeds multiple compartments from a single conduit (one included with each 665-AV2 and 665-SC)



Cat. No.	Description	Std. Ctn.
665-RP	Duplex plate for 665 Series floor boxes	4
665-GP	GFCI plate for 665 Series floor boxes	4
665-BP	Blank plate for 665 Series floor boxes	4
665-6RJ	Data plate for 665 Series floor boxes, accepts 6 keystone jacks	4
665-STEL	Telephone data plate for 665 Series floor boxes	4
665-WT	Replacement wire tunnel for 665-SC, 665-CI & 665-AV2 floor boxes	4

Each box requires (4) device plates. Material: Pre-galvanized steel.

Diagrams



Floor box

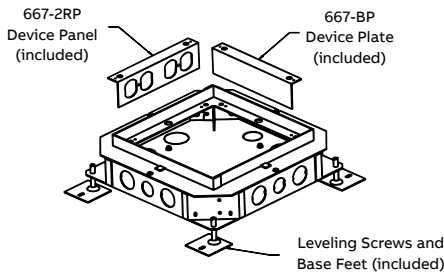
667-SC Series

Features and benefits:

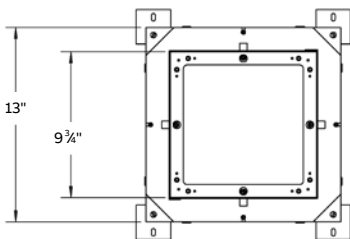
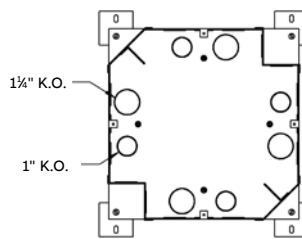
- Large capacity concealed-service floor box
 - Four “double-gangs” allow for two receptacles per gang, for a total of eight receptacles per box
 - Each gang has 40 cu. in. of capacity
 - Box interior has 128 cu. in. of capacity
- Standard box configuration is for up to eight power and/or low-voltage devices
 - Box design allows for feed-through cabling for power and low-voltage conductors
- Shallow design
 - 3" overall height is ideal for renovations and upper level floor installations
- Full line of low-profile covers
 - Utilizes same quality cover as AFM-8 Access Floor Module
 - High-strength polycarbonate
 - Steel reinforced for added durability
 - Two retractable cable exit ports
 - 64 sq. in. opening provides easy access to device panels
 - 1/4" recess for carpet/tile insert
 - Available in grey, black, brown and beige
- Box is manufactured with (1) 3/4", (3) 1" and (1) 1 1/4" KOs per gang
 - This includes a 1" and 1 1/4" KO located in the bottom
- Full complement of device panels
 - Device panels available with one or two duplex openings, one or two GFI openings, six standard “keystone” with Omni 110 bezels and blanks
- Provided with leveling legs and base feet
 - Base feet can be attached to form, preventing box movement during concrete pour
 - Leveling legs provide up to 1 1/2" pre-pour adjustment
- Manufactured from 14-gauge pre-galvanized steel
 - Quality construction provides added durability and rust protection
- MopTite covers meet UL/CSA scrubwater exclusion requirements for carpet, tile and wood



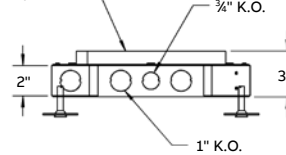
Diagrams



Floor Box Bottom



Floor Box Top



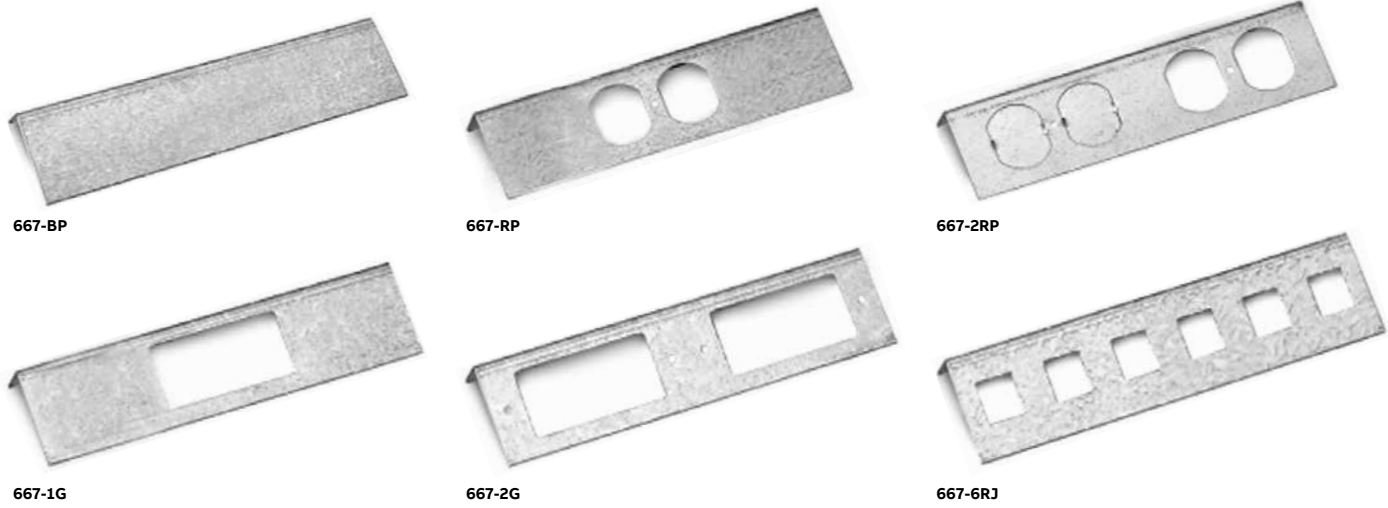
Cat. No.	Description	Std. Ctn.
667-SC	Four-gang recessed floor box	1

Supplied with (1) 667-2RP for 2 duplex receptacles and (1) 667-BP blank plate. For covers and other device plates, see page C60. For communications accessories, see page C113.

Covers and device plates

667-SC Series

For brass and aluminum covers, use 668 series



Device plates



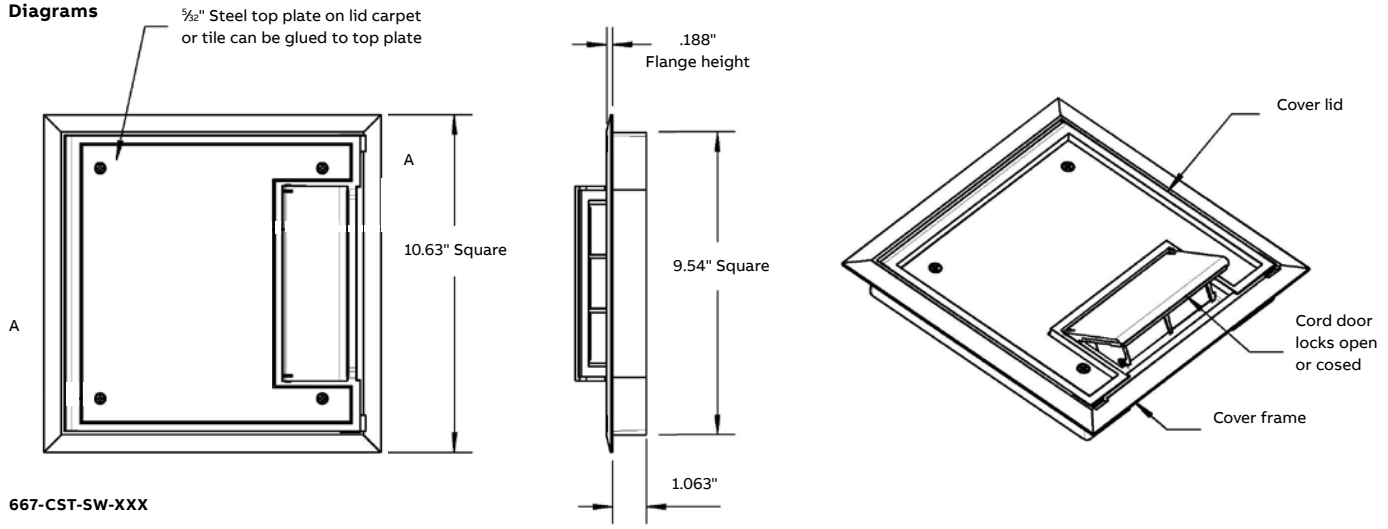
Cat. No.	Description	Std. Ctn.
667-BP	Blank device panel	4
667-RP	Single duplex receptacle Plate	4
667-2RP	Device panel for 2 duplex receptacles with duplex KOs	4
667-1G	Device panel for 1 GFCI receptacle	4
667-2G	Device panel for 2 GFCI receptacles	4
667-6RJ*	Device panel for 6 Keystone data jacks	4

Covers

Cat. No.	Description	Std. Ctn.
667-CST-SW-GRY	Cover and flange – grey	4
667-CST-SW-BLK	Cover and flange – black	4
667-CST-SW-BRN	Cover and flange – brown	4
667-CST-SW-BGE	Cover and flange – beige	4

*For data connectors and adapters, see page C113.
MopTite Covers exceed UL/CSA scrubwater exclusion requirements.

Diagrams



667-CST-SW-XXX

Ultra-shallow box

668-S Series

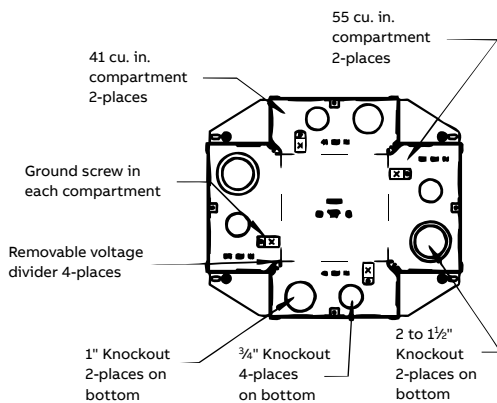
The 668-S ultra-shallow floor box from ABB provides a high-capacity power and data solution for shallow concrete floors. The low-profile 4-gang box is constructed of galvanized stamped steel. Removable voltage dividers enable users to customize wiring configurations by feeding two or more adjacent compartments with a single conduit. Metallic covers with durable powder-coat finish are designed to match any decor, while optional trim rings enable covers to be mounted completely flush with the floor in tile or wood floor applications.

Features and benefits:

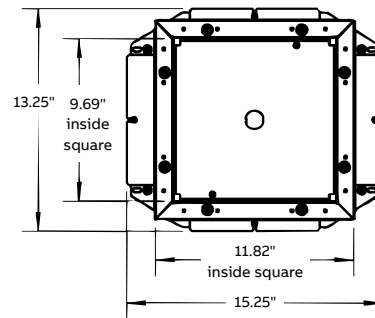
- Low profile (2½" height) for shallow concrete pours
- 4-gang, recessed service for a high-capacity, aesthetic floor box solution
- Stamped-steel box construction
- Removable voltage dividers between compartments enable a single conduit to feed two or more adjacent compartments
- Metallic covers feature durable powder-coat paint to match any decor (black, grey, brown and beige)
- Heavy-duty cord door in the cover latches firmly in the open position to prevent damage to cables
- Optional tile trim enables flush mounting for tile and wood floor applications
- MopTite covers meet UL/CSA scrubwater exclusion requirements for carpet, tile and wood
- Largest cubic-inch capacity of any shallow, recessed 4-gang floor box
- Additional KOs (up to 2") on the bottom of the box enable installation flexibility
- Custom device panels are available – contact technical service about these offerings



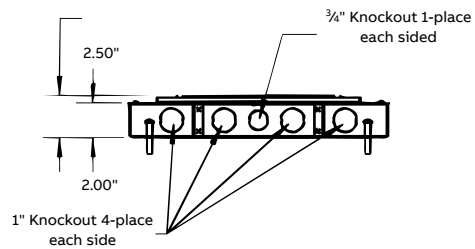
Diagrams



Top view - compartment layout
Note: Shown with top plate removed



Top view



Side view



Cat. No.	Description	Std. Ctn.
668-S	Shallow, concealed service floor box	1

For covers and device plates, see page C62.
For communications accessories, see page C113.

Covers and tile trims

668-S floor box

01 Per terazzo floors, polish and grind against floor box trim.

02 Flush mounting configuration: Optional trim ring allows cover to be mounted flush with tile, wood floors and concrete.

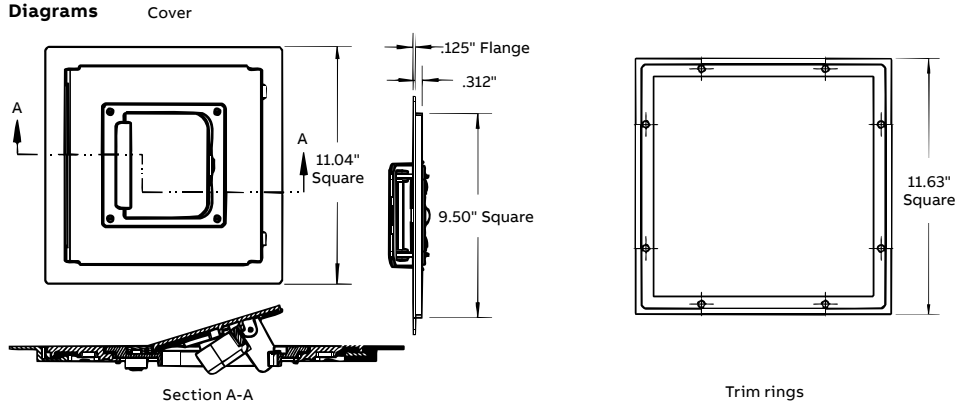


01



02

Diagrams



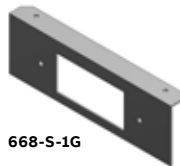
Cat. No.	Description	Std. Ctn.
668-CST-ALM	668-S metal cover – aluminum powdercoat	1
668-CST-BRS	668-S Metal Cover – brass powdercoat	1
668-CST-BLK	668-S metal cover – black powdercoat	1
668-CST-BRN	668-S metal cover – brown powdercoat	1
668-CST-BGE	668-S metal cover – beige powdercoat	1
668-TRIM-ALM*	668-S trim ring – aluminum powdercoat	4
668-TRIM-BRS *	668-S trim ring – brass powdercoat	4
668-TRIM-BLK*	668-S trim ring – black powdercoat	4
668-TRIM-BRN*	668-S trim ring – brown powdercoat	4
668-TRIM-BGE*	668-S trim ring – beige powdercoat	4

Contact technical service for color samples.

* Trim for flush mounting



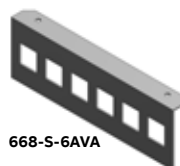
668-S-1RP



668-S-1G



668-S-BP



668-S-6AVA

Device plates

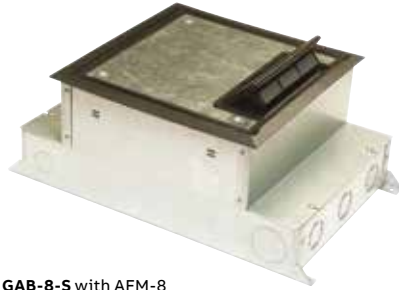


Cat. No.	Description	Std. Ctn.
668-S-1RP	668-S single-gang duplex plate	1
668-S-1G	668-S single-gang GFCI plate	1
668-S-BP	668-S blank plate	1
668-S-6RJ	668-S data plate – 6 Keystone jacks	1
668-S-6PAN	668-S data plate – 6 Panduit® jacks	1
668-S-6ORT	668-S data plate – 6 Ortonics® jacks	4
668-S-6AVA	668-S data plate – 6 Avaya® jacks	4

Concrete
Inserts



GAB-8-S



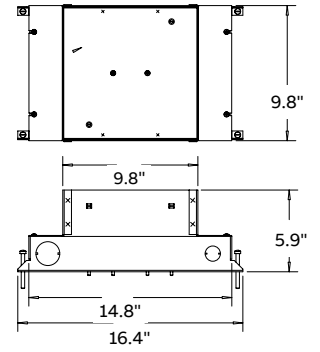
GAB-8-S with AFM-8

- The only box that can be installed in this insert is the AFM-8 (see page C96)

Cat. No.	Dimensions (in.)			Maximum capacity (cu. in.)	Standard conduit tapping	Maximum conduit tapping	Afm Insert	Std. Ctn.
	A	B	C					
GAB-8-S	5 ⁷ / ₈	9 ³ / ₄	16 ³ / ₈	325	2- ³ / ₄ " 2-1 ¹ / ₄ "	—	AFM-8	1

*Required for installation of an AFM-8 in concrete pours only.

Diagrams



Round floor boxes for power or communications

68 Series



- Stamped steel, concrete-tight, fully adjustable
- Electro-galvanized body and hardware
- Interior and exterior leveling screws permit adjustment to meet finished floor
- Shipped complete with expendable cap to prevent ingress of concrete during pour 1/2", 3/4" and 1" knockouts – all bottom knockouts are accessible
- Uses P60 Series MopTite covers and carpet plate



Cat. No.	Description	Std. Ctn.
68-D	Stamped-steel floor box, deep	4
68-D-AL	Stamped-steel with aluminum trim ring, deep	4
68-S	Stamped-steel floor box, shallow	4
68-S-AL	Stamped-steel with aluminum trim ring, shallow	4
600-4-FL	Trim ring brass	4
600-4-FL-AL	Trim ring aluminum	4

Engineering data – 68 Series



Cat. No.	Dimensions (in.)			Before pour adj. (in.)	After pour adj. (in.)	Maximum capacity kos (cu. in.)	Conduit hubs	Conduit KOs (in.)	
	A	B	C					Sides	Bottom
68-D	4 1/4	3 5/8	4 11/16	2 1/2	1 1/2	60	—	(4) 3/4	(2) 1/2
68-S	4 1/4	2 3/4	4 11/16	1 1/2	1 1/2	47	—	(4) 1	(2) 3/4

Diagrams

