NONMETALLIC BOXES, COVERS AND ACCESSORIES



GENERAL INFORMATION

MOST OFTEN REQUESTED SECTIONS OF THE 2014 NATIONAL ELECTRICAL CODE®	HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION
314.27 (A) Boxes at Lighting Fixture Outlets. Boxes used at lighting fixture luminaire shall be designed for the purpose.	Our octagon boxes are designed for direct mounting of light fixtures of 6 lbs or less. Device boxes are designed for the mounting, (by #6-32 screws), of devices such as snap-switches and receptacles. They are not suit able for support other than for very lightweight devices, such as a smoke alarm unit. (See Article 314.27 (A) (1) or wall fixtures 6 lbs. or less [See 314.27 (A) (1) [Exception].
410.20 Space for Conductors. Canopies and outlet boxes taken together shall provide adequate space so that fixture conductors and their connecting devices can be properly installed.	When calculating the minimum cubic inch requirements for an outlet box, the canopy may be included in the calculation. However, the canopy of the fixture/fan needs to be marked with the cubic inch capacity. The volume of an unmarked canopy may be used at the discretion of the local authority having jurisdiction.
314.27 (B) Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor. Exception: Boxes located in elevated floors of show windows and similar locations where the authority having jurisdiction judges them free from physical damage, moisture and dirt.	Only boxes that are UL Listed for the application may be fastened into the floor. RACO® floor boxes are in Section C in this catalog.
314.27 (C) Boxes at Fan Outlets. Boxes that support ceiling fans must be listed for that purpose.	At any ceiling outlet that is intended to have a ceiling (paddle) fan installed, a UL Listed outlet box rated for ceiling fan support must be used. RACO offers a complete line of products designed for various applications and mounting needs.
410.36 (A) Means of Support — Outlet Boxes . Where the outlet box or fitting will provide adequate support, a fixture shall be attached thereto or be supported as required by Section 314.27(A) (1) for boxes.	All outlet boxes that are intended to be used with fixtures are tested in accordance with UL 514A for steel boxes, UL 514C for plastic boxes. The test does provide an ample margin for safety.
406.12, 406.3B, 406.4 Tamper-Resistant Receptacles in dwelling units.	This prevents shocks to small children that like to insert keys, paper clips, etc. into the receptacle slots.

National Electrical Code® and NEC® is a registered trademark of the National Fire Protection Association.









7302RAC, 7820RAC

7873RAC

CAT.#	DESCRIPTION	CABLE Knockouts	STD. PKG.	UPC Bar Code
Single-ga	ang with Captive Nails — For Nonmetallic Sheathed Cable			
7302RAC	2-3/4" Deep, 18.0 Cu. In. (294.9 cm³), Nails, 1/2" Setback	4	100	
7820RAC	3-3/16" Deep, 20.3 Cu. In. (332.6 cm³), Nails, 1/2" Setback	4	100	
7873RAC	3-1/2" Deep, 23.0 Cu. In. (376.8 cm³), Nails, 1/2" Setback	4	100	IIIIIIII

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Single-gang boxes have knockouts that break out quickly and cleanly for faster installation
- Positioning tabs for fast accurate mounting on studs or joists
- Oversized nail support that resists hammer impact and prevents box deformation

STANDARD MATERIAL

Made of heavy-duty PVC (Polyvinyl chloride) compound

REFERENCE DATA

- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

- U Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

By A G

NONMETALLIC CABLE BOXES











7835RAC

7645RAC

7846RAC

7848RAC

7874RAC

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- Positioning tabs for fast accurate mounting on studs or joists
- Oversized nail support that resists hammer impact and prevents box deformation

STANDARD MATERIAL

Made of heavy-duty PVC (Polyvinyl chloride) compound

REFERENCE DATA

- Cable clamp U.S. Patent 4,605,816;
 Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599
- Four-gang box support U.S. Patent 4,666,055

- 👊 Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating (except 7645RAC), (building codes) UL Orange Book
- Federal Manufacturer's number 28488

CAT. #	DESCRIPTION CABLE KNOCKOUTS C			CU. In. Cap.	STD. PKG.	UPC Bar Code
Two-gang	g with Captive Nails for Wood Studs — For Noni	netallic Shea	ithed Cab	le		
7835RAC	2-29/32" Deep, Nails	_	8	32.5 (532.5 cm³)	15	IIIIIIII
Multi-gai	ng with Captive Nails for Wood Studs — For No.	nmetallic Sh	eathed Ca	ble		
7645RAC	2-5/8" Deep, Four-gang, Nails, 1/2" Setback, Bracket Support	_	12	55.0 (901.2 cm³)	25	IIIIIIII
7846RAC	2-3/4" Deep, Three-gang, Nails, 1/2" Setback	_	12	44.0 (720.9 cm³)	8	IIIIIIII
	ng, Large Capacity, with Captive Nails — For W I-Nonmetallic Sheathed Cable	ood Stud or F	ace Moun	ted to I	Wood o	r
7848RAC	3-7/8" Deep, Two-gang, Nails, 1/2" Setback, Bracket	_	8	48.0 (786.5 cm³)	50	IIIIIIII
7874RAC	3-7/8" Deep, Three-gang, Nails, 1/2" Setback, Bracket	_	12	74.0 (1212.5 cm³)	50	IIIIIIII











08RAC

7318RAC

7717RAC

2001RAC

CAT. #		CABLE Knockouts		UPC Bar Code
Single-ga	ang with Brackets for Metal or Wood Studs — For Nonmetallic	Sheathed Ca	ble	
7308RAC	1-1/4" Deep, 8.0 Cu. In. (131.0 cm³), 3/8" Setback, Bracket	2	25	IIIIIIII
7318RAC	1-1/4" Deep, 8.0 Cu. In. (131.0 cm³), Flanged, 3/8" Setback	2	25	
7717RAC	2-27/32" Deep, 20.0 Cu. In. (327.7 cm³), Face Mount, 1/2" Setback	4	100	IIIIIIII
2001RAC	2-3/4" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback, Bracket,	4	50	
	Ground Screw			

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Single-gang boxes have knockouts that break out quickly and cleanly for faster installation
- Positioning tabs for fast accurate mounting on studs or joists

STANDARD MATERIAL

Made of heavy-duty PVC (Polyvinyl chloride) compound

REFERENCE DATA

- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055;
 Canada Patent 1,260,599

- U Standard 514C
- Listed (2001RAC)
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488









7887RAC

7488RAC

7122RAC

7922RAC

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- · Self-clamping wire entry clamps
- Extra long, metal swing arms ensure secure installation
- RACO® 7122RAC and 7922RAC feature wrap-around metal clamp to secure box to sheetrock

STANDARD MATERIAL

 Made of heavy-duty PVC (Polyvinyl chloride) compound. 7122RAC and 7922RAC are polycarbonate

REFERENCE DATA

- Old work support U.S. Patent 4,183,486
- Cable clamp U.S. Patent 4,874,905
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

- U Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

CAT.#	DESCRIPTION AND SETBACK	CABLE CLAMPS	STD. PKG.	UPC Bar Code	RECOMMENDED MAX. SUPPORT LOADS Fixture Lbs. (static)
Old Work	Cable Boxes — For Nonmetallic Sheathed Cable				
7887RAC	Single-gang, 2-29/32" Deep, 14.0 Cu. In. (229.4 cm³), Flush Mount	4	50	IIIIIIII	_
7488RAC	Two-gang, 2-3/4" Deep, 25.0 Cu. In. (409.6 cm³), Flush Mount	6	30	IIIIIIII	_
7122RAC	3-1/2" Round, $2-13/16"$ Deep, 18.0 Cu. In. (294.9 cm³), Flush Mount	4	100	IIIIIIII	6
7922RAC	3-1/2" Round, 2-13/16" Deep, 18.0 Cu. In. (294.9 cm ³), Flush Mount, Ground Plate	4	100	IIIIIIII	_











7220RAC

7232RAC

978

980 BOX-LOC®

CAT.#	DESCRIPTION		STD. PKG.	UPC BAR CODE
4" Squar	re Boxes — For Nonmetallic Sheathed Cable			
7220RAC	1-5/8" Deep, 18.0 Cu. In. (294.9 cm ³), Nails	8	8	11111111
7232RAC	2-5/8" Deep, 32.0 Cu. In. (524.3 cm ³), Nails	10	8	11111111

CAT. #	DESCRIPTION S P		UPC Bar Code
Accessor	ies		
978	Far-side Box Support		_
980	BOX-LOC® Metal Stud Clip	50	11111111

COMPLIANCES

Book

• (4) Standard 514C

codes) UL Orange Book

• Boxes are listed for their Electrical

Applications (Electrical Codes), UL Green

• Boxes are listed for mechanical properties,

including the 2-hour Fire Rating, (building

Federal Manufacturer's number 28488

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- RACO® BOX-LOC® for metal studs can be installed to either the 7220RAC or 7232RAC quickly and easily. With just a push, it simply snaps into the grooves on the side of box. The 978 far-side box support can be added to complete a rigid and secure installation

STANDARD MATERIAL

Made of heavy-duty PVC (Polyvinyl chloride) compound

REFERENCE DATA

- Cable clamp U.S. Patent 4,874,905 and 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055;
 Canada Patent 1,260,599
- US Patent 4,898,357 (978)
- US Patent 5.408.045 (980)

HUBBEL

ROUND CABLE CEILING BOXES WITH CAPTIVE NAILS

NONMETALLIC CABLE BOXES







7119RAC



7823RAC



7824RAC

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- For use wherever lighting fixture canopies are to be installed
- Ceiling boxes on this page are not designed for ceiling fan support

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- Round fixture boxes offer an optional frontmounted grounding screw
- Oversized nail support that resists hammer impact and prevents box deformation

STANDARD MATERIAL

Made of heavy-duty engineered compound.
 Base material is polycarbonate

REFERENCE DATA

- Cable clamp U.S. Patent 4,874,905 and 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055;
 Canada Patent 1,260,599

- U Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

CAT.#	DESCRIPTION AND SETBACK	CABLE CLAMPS	STD. PKG.	UPC Bar Code	RECOMMEN SUPPORT Ceiling Fan Lbs. (dynamic)	LOADS
3-1/2" R	Cound Ceiling Boxes — With Captive Nails, For N	lonmetal.	lic She	athed C	able	
7119RAC	2-5/8" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback, Nails	4	75	IIIIIIII	_	50
7919RAC	2-5/8" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback, Nails, Ground Plate,	6	75	IIIIIIII	_	50
4" Roun	d Ceiling Boxes — With Captive Nails, For Nonme	etallic Sh	eathed	Cable		
7824RAC	2-3/8" Deep, 20.0 Cu. In. (327.7 cm³), 3/8" Setback, Nails	4	75	IIIIIIII	_	50
7823RAC	2-3/8" Deep, 20.0 Cu. In. (327.7 cm³), Ground Plate, 3/8" Setback, Nails	4	75	IIIIIIII	_	50













7825

7120VB SADDLE BOX®

7120 SADDLE BOX®

7120-1 SADDLE BOX®

CAT. #	DESCRIPTION AND SETBACK	CABLE CLAMPS	STD. PKG.	UPC Bar Code	RECOMMEN SUPPORT Ceiling Fan Lbs. (dynamic)	LOADS
3-1/2" R	ound Ceiling Set-up — For Spanning From Joist	t to Joist	For No.	nmetall		
7307*	2-5/8" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback, Adj. 14-3/4" - 22-1/2"	4	25	IIIIIIII	No	10 ^①
7907*	2-5/8" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback, Adj. 14-3/4" - 22-1/2", w/Ground Plate	4	25	IIIIIIII	No	10 ^①
4" Round	d Ceiling Set-up — For Spanning From Joist to Jo	oist For N	onmet	allic Sh	eathed Cable	
7826RAC*	2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), Adj. 14-3/4" - 22-1/2"	6	25	IIIIIIII	No	10 ^①
7825*	2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), Adj. 14-3/4" - 22-1/2", w/Ground Plate	6	25	IIIIIIII	No	10 ^①

① 10 Lbs. max. load recommended UL Rated for 50 Lbs. on 16" centers.

		K	KNOCKOUT	S	STD.	UPC	RECOMMEN				
CAT. #	DESCRIPTION	Cable	Sides	Bottom	PKG. BARCODE		ottom			IPPORT LOADS ng Fan Fixture Lbs.	
		Clamps	Conduit	Conduit			Lbs. (Dynamic)	(Static)			
SADDL	E BOX® 4" Round Ceiling	Fan and	Fixture	Box - Fo	or Nonn	netallic Sh	eathed Cable	or Conduit			
7120VB	12.5 Cu. In. (204.8 cm ³)	4	_	_	24	11111111	70	210			
7120*	12.5 Cu. In. (204.8 cm3)	4	_	_	20*	IIIIIIII	70	210			
7120-1	12.5 Cu. In. (204.8 cm3)	4	_	_	24		70	210			

^{*} Packaged in a stackable, individual chipboard display cartons.

COMPLIANCES

- U Standard 514C
- All versions of RACO 7120 are UL approved for nonmetallic wiring systems
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- RACO® 7907, 7307, 7825, 7826RAC are not designed for ceiling fan support

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- Round fixture boxes offer an optional frontmounted grounding screw
- For use wherever fans (Cat. #7120, 7120-1, 7120-VB only) or lighting fixture canopies are to be installed

STANDARD MATERIAL

 Made of heavy-duty engineered compound. Base material is polycarbonate

REFERENCE DATA

- Cable clamp U.S. Patent 4,874,905 and 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055;
 Canada Patent 1,260,599
- Cat. #7120 U.S. Patent 5,234,119; Mexico Patent 179,825





CABLE BOXES





7320

7321

APPLICATIONS

- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- Accommodate wiring devices such as switches and receptacles

PRODUCT FEATURES

- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- All outlet boxes have a front-mounted grounding screw with combination straight/ Robertson head
- Positioning tabs provide fast, accurate mounting on studs or joists
- · grounding screw provided

STANDARD MATERIAL

- Made of high strength Noryl®
- Noryl® is a registered trademark of General Electric Corporation

- Specifications C22.2 #18
- Federal Manufacturer's number 28488

CAT.#	DESCRIPTION		UPC Bar Code
Single G	ang – Fast Wire		
7320	Shallow, Fast Wire, 17.0 Cu. In. (278.5 cm³)		_
7321	Fast Wire Clamp	1000	_













2011-FBAR

2002-FBAR

2003-FBAR

2027-FBAR

7120VB SADDLE BOX®

CAT.#	DESCRIPTION AND SETBACK		STD. PKG.	UPC Bar Code	RECOMMEN SUPPORT Ceiling Fan Lbs. (dynamic)	LOADS
Vapor Barr	ier Cable Boxes					
2011-FBAR	2-3/4" Deep, 18.0 Cu. In. (294.9 cm³), 1/2" Setback	4	50	IIIIIIII	No	50
2002-FBAR	2-3/4" Deep, 37.0 Cu. In. (606.2 cm ³), 1/2" Setback	8	50	IIIIIIII	No	50
2003-FBAR	2-3/4" Deep, 51.0 Cu. In. (835.6 cm ³), 1/2" Setback	12	25		No	50
4" Round	Vapor Barrier Cable Box — For Ceiling					
2027-FBAR	2-5/8" Deep, 27.15 Cu. In. (444.8 cm³), 1/2" Setback	4	36	IIIIIIII	No	50
4" Round	Vapor Barrier Ceiling Fan Box					
7120VB	2-5/8" Deep, 12.5 Cu. In. (204.8 cm3)	4	24	IIIIIIIII	70	210

APPLICATIONSVanor barrier be

- Vapor barrier boxes prevent unwanted penetration of exterior air and help maintain the existing interior environment from elements outside of the structure
- RACO® Nonmetallic vapor barrier cable boxes provide the installer with a cost alter-native that is lightweight and easy to install
- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Serve as fixture support
- Provide excellent protection for wiring system or devices
- RACO® 2027-FBAR is not designed for ceiling fan support

PRODUCT FEATURES

- Self-clamping wire entry clamps
- 2027-FBAR and 7120VB boxes have a front-mounted grounding screw with combination straight/Robertson head
- Vaper/air barrier flange and integral wire entry seal provides superior energy savings and quick installation
- · Hands free installation
- For 1/2", 5/8", or 3/4" drywall
- Unique saddle design straddles standard joists 7120VB
- 7120VB prevents unwanted penetration of exterior air and helps maintain the existing interior environment from the elements outside the structure
- Fits any 1-1/2" wide joist

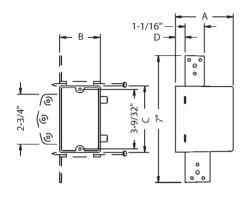
STANDARD MATERIAL

- Made of high strength Noryl®
- Noryl® is a registered trademark of General Electric Corporation

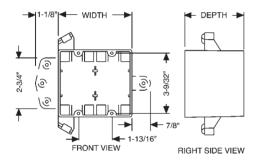
- Specifications C22.2 #18 2011FBAR, 2002FBAR, 2003FBAR, 2008FBAR
- Federal Manufacturer's number 28488
- Ustandard 514C (7120VB)

DETAILED DRAWINGS

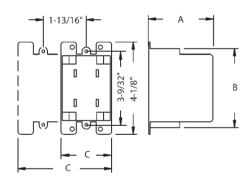
NONMETALLIC CABLE BOXES



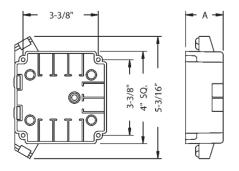
Nonmetallic Outlet Boxes				
CATALOG Number	A	В	C	D
7302RAC	2-3/4"	2-1/4"	3-19/32"	1/2"
7820RAC	3-3/16"	2-1/4"	3-19/32"	1/2"
7873RAC	3-1/2"	2-1/4"	3-19/32"	1/2"
7308RAC	1-1/4"	2-3/8"	3-1/2"	3/8"
7318RAC	1-1/4"	2-3/8"	3-1/2"	_
7717RAC	2-27/32"	2-1/4"	3-19/32"	1/2"
7848RAC	2-27/32"	2-1/4"	3-19/32"	5/8"
7874RAC	3-3/16"	2-1/4"	3-19/32"	5/8"
2001RAC	2-13/16"	2-1/4"	3-21/32"	1/2"



Multi-gang Outlet Boxes				
CATALOG Number	GANG	WIDTH	DEPTH	
7835RAC	2	4"	2-29/32"	
7645RAC	4	7-5/8"	2-5/8"	
7846RAC	3	5-7/8"	2-3/4"	
7848RAC	2	4"	3-31/32"	
7874RAC	3	8-7/16"	3-31/32"	



Old Work Nonmetallic Outlet Boxes				
CATALOG Number	GANG	A	В	C
7887RAC	1	2-29/32"	3-1/8"	2-1/4"
7488RAC	2	2-3/4"	4"	3"



4" Square with C	Captive Nails for Metal or Wood Studs	
CATALOG Number	A (DEPTH)	
7220RAC	1-5/8"	
7232RAC	2-5/8"	

DETAILED DRAWINGS

NONMETALLIC CABLE BOXES

