

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

The OnePass Fixture Cable (OFC), Cable 1 port (OC1), Cable 2 port (OC2), and Cable 3 Port (OC3) are male/female cables that provides additional length throughout the RELOC system. Cables can also provide power to miscellaneous devices such as exits, emergency units, convenience power and access floor systems. The OFC attaches directly into the access plate or through any 1/2" trade-size knockout. The OC2 is a splitter and cable extender in one easy-to-use component. The OC2 All Metal Housings (AMH) provides installers options for how to configure the system based on specification requirements. The OC3 is a splitter and cable extender in one component.

ELECTRICAL

- Rated for use on 20-amp branch circuits.
- Safety-keying prevents accidental mating of components with different voltages.
- C12S option includes three 12 AWG conductors and 18 AWG shielded pair for controls wiring. (-20°C to +90°C).
- The OC2 conductors are 10 AWG or 12 AWG copper conductors with -20°C to +90°C thermoplastic insulation rated 600V. It includes a fully rated No. 12 AWG & 10 AWG grounding conductor.
- The OC1, OC2 with AMH option, and OC3 are 12 AWG copper with -20°C to +90°C thermoplastic insulation rated 600V. It includes a fully rated No. 12 AWG grounding conductor.
- The OFC Fixture leads are No. 18 AWG solid copper with prestripped, solid-color leads for easy installation into side, back or push-in-type terminals.

SYSTEM FEATURES

- Pin and socket contacts.
- Color-coded labels for quick voltage identification.
- Available in varying lengths to suit most common fixture spacing requirements.
- Auto-latching springs prevent accidental disengagement.
- Available with green armor standard for easy identification in healthcare facilities (HCF option).
- Dust Cover available for unused ports: RDC3 METAL DUST COVER.
- The OC1, OC2, and OC3 EXT option enables them to be installed in hot and cold applications (-40° to +90°C).
- Type of insulation for EXT option is based on NEC Table 310.104(A).
- Non-plenum rated OC2 plastic housing.
- Plenum rated low voltage cable (LVC option)

OnePass® Cables

OFC, OC1, OC2, OC3



OC1
Cable 1 Port



OC2
Cable 2 Port



OC3
Cable 3 Port



OFC
Fixture Cable

LISTINGS

- C-UL-US Listed.
- C12S option meets NEC requirements for separation of Class 2 and Class 3 circuits from Class 1 circuits by a barrier as defined by Article 725.136(B).
- Meets NEC requirements for redundant ground paths for patient care areas in healthcare facilities (HCF option).
- Canadian Patent No. 2,845,603 (Class I, Class II)

WARRANTY

- 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times configure product using **bolded options**.

Example: OC1 277 12/3G 09

Series	Voltage	Conductors	Length	Controls Wiring	Options	Finish ⁹			
OC1	120 120V	12/2G Three 12 AWG conductors, including one 12 AWG ground	1 ft up to 50 ft	(blank) Not required	(blank) Not required	(blank) Not required			
	208 208V								
	240 240V	12/3G Four 12 AWG conductors, including one 12 AWG ground					C12S Integrated C1, CII rated line voltage and signal wires ¹	2N Two circuit, two neutral ⁴	RD Red
	277 277V						CATS_ Preterminated and tested CAT5 cable attached, specify length ²	EXT Extreme temperature rating conductors ⁵	BK Black
	347 347V	12/4G Five 12 AWG conductors, including one 12 AWG ground					LVC 3 position connector system for low voltage wiring ³	HCF Meets healthcare facility requirements ⁶	WH White
	480 480V						IGW Isolated ground wire ⁷	BE Beige	
				X Cross Over Cable ⁸	OJ Orange				

NOTES

1. C12S must use 12/2G conductors.
2. See spec sheet [RCATS](#) for details. CAT5 length must be 2FT longer than OC1. When used with OCS, OCU or OD fixture drop, CAT5 length must include the length of the OC1 and the length of drop for the fixture plus 2FT.
3. See spec sheet [LVC](#) for details.
4. 2N option available only in 120V, 277V and 347V; 12/4G conductors only
5. EXT option required for EXTREME hot and cold temperature applications (-40° to 90°C). Available with 12/2G and 12/3G conductors.
6. HCF available with 12/4G conductors only.
7. IGW available only with 120V; 12/3G & 12/4G conductor, and up to 35ft length.
8. X option available with 12/3G conductors only. Hot conductors 1 and 2 alternate internally to the cable.
9. Non-plenum rated color cable available up to 35ft.

ORDERING INFORMATION

For shortest lead times configure product using **bolded options**.

Example: OC2 277 12/4G 25

Series	Voltage	Conductors	Length	Controls Wiring	Options	Finish ⁸
OC2	120 120V	10/2G Three 10 AWG conductors, including one 10 AWG ground	1 ft up to 50 ft	(blank) Not required C12S Integrated CI, CII rated line voltage and signal wires ¹ CAT5_ Preterminated and tested CAT5 cable attached, specify length ² LVC 3 position connector system for low voltage wiring ³	(blank) Not required 2N Two circuit, two neutral ⁴ AMH All metal housings ⁵ EXT Extreme temperature rating conductors ⁶ IGW Isolated ground wire ⁷	(blank) Not required RD Red BK Black WH White BE Beige OJ Orange
	208 208V					
	240 240V	10/3G Four 10 AWG conductors, including one 10 AWG ground				
	277 277V					
	347 347V	10/4G Five 10 AWG conductors, including one 10 AWG ground				
	480 480V					
		12/2G Three 12 AWG conductors, including one 12 AWG ground				
		12/3G Four 12 AWG conductors, including one 12 AWG ground				
		12/4G Five 12 AWG conductors, including one 12 AWG ground				

NOTES

- C12S must use 12/2G conductors.
- See spec sheet [RCATS](#) for details. When used with OCS, OCU or OD fixture drop, CAT5 length must include the length of the OC2 and the length of drop for the fixture plus 2FT.
- See spec sheet [LVC](#) for details.
- 2N option available only in 120V, 277V and 347V; 10/4G and 12/4G conductors only.
- AMH option available with 12/2G, 12/3G, 12/4G conductors.
- EXT option required for EXTREME hot and cold temperature applications (-40° to 90°C). Available with 10/2G, 10/3G, 12/2G, and 12/3G conductors.
- IGW available only with 120V; 12/3G & 12/4G conductor, and up to 35ft length.
- Non-plenum rated color cable available up to 35ft.

ORDERING INFORMATION

For shortest lead times configure product using **bolded options**.

Example: OC3 277 12/3G 15

Series	Voltage	Conductors	Length	Controls Wiring	Options	Finish ⁸
OC3	120 120V	12/2G Three 12 AWG conductors, including one 12 AWG ground	1 ft up to 50 ft	(blank) Not required C12S Integrated CI, CII rated line voltage and signal wires ¹ CAT5_ Preterminated and tested CAT5 cable attached, specify length ² LVC 3 position connector system for low voltage wiring ³	(blank) Not required 2N Two circuit, two neutral ⁴ EXT Extreme temperature rating conductors ⁵ HCF Meets healthcare facility requirements ⁶ IGW Isolated ground wire ⁷	(blank) Not required RD Red BK Black WH White BE Beige OJ Orange
	208 208V					
	240 240V	12/3G Four 12 AWG conductors, including one 12 AWG ground				
	277 277V					
	347 347V	12/4G Five 12 AWG conductors, including one 12 AWG ground				
	480 480V					

NOTES

- C12S must use 12/2G conductors.
- See spec sheet [RCATS](#) for details. When used with OCS, OCU or OD fixture drop, CAT5 length must include the length of the OC3 and the length of drop for the fixture plus 2FT.
- See spec sheet [LVC](#) for details.
- 2N option available only in 120V, 277V and 347V; 12/4G conductors only
- EXT option required for EXTREME hot and cold temperature applications (-40° to 90°C). Available with 12/2G, and 12/3G conductors.
- HCF available with 12/4G conductors only.
- IGW available only with 120V; 12/3G & 12/4G conductor, and up to 35ft length.
- Non-plenum rated color cable available up to 35ft.

ORDERING INFORMATION

For shortest lead times configure product using **bolded options**.

Example: OFC 277 12/3G 11

Series	Voltage	Conductors	Length	Controls Wiring	Options	Connector Type			
OFC	120 120V	12/2G Three 12 AWG conductors, including one 12 AWG ground	1 ft up to 50 ft	(blank) Not required	(blank) Not required	(blank) Not required			
	208 208V								
	240 240V	12/3G Four 12 AWG conductors, including one 12 AWG ground					C12S Integrated CI, CII rated line voltage and signal wires ¹	G Ground wire ⁴	RRL RELOC® - ready luminaires ⁸
	277 277V						CATS_ Preterminated and tested CAT5 cable attached, specify length ²	2N Two circuit, two neutral ⁵	
	347 347V						LVC 3 position connector system for low voltage wiring ³	HCF Meets healthcare facility requirements ⁶	
480 480V	12/4G Five 12 AWG conductors, including one 12 AWG ground	X Cross Over Cable ⁷							

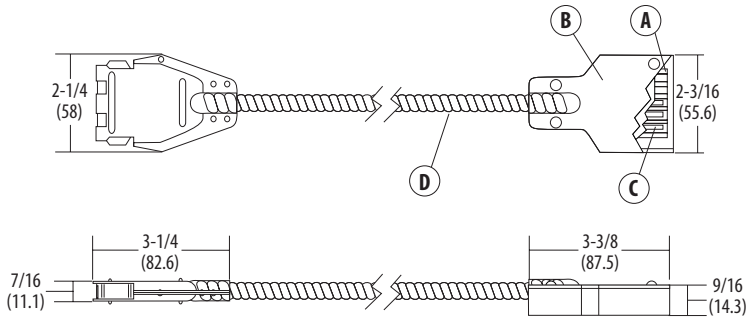
NOTES

1. C12S must use 12/2G conductors.
2. See spec sheet [RCATS](#) for details. CAT5 length must be 2FT longer than OFC.
3. See spec sheet [LVC](#) for details. Mating fixture connection shipped with cable.
4. G option required for use in Canada. Required for C12S, HCF and RRL option.
5. 2N option available only in 120V, 277V and 347V; 12/4G conductors only.
6. HCF available with 12/4G conductors only.
7. X option available with 12/3G conductors only. Hot conductors 1 and 2 alternate internally to the cable.
8. If RRL selected, fixture must have RRL and wiring instruction. See fixture spec sheet for details. See [RRL](#) spec sheet for connector details.

DIMENSIONS

Dimensions are shown in inches (millimeters)

OC1 - Cable 1 Port



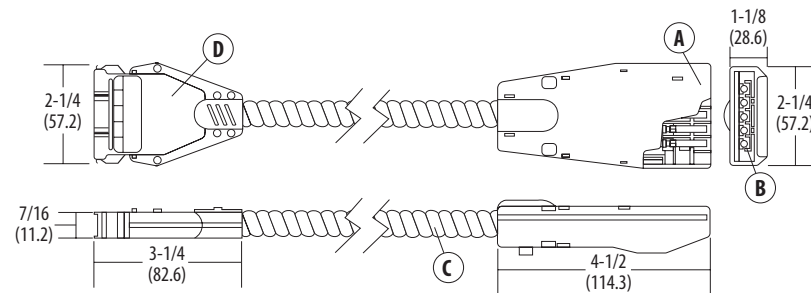
A – Die-cast zinc with zinc-plated CRS cover

B – UL recognized connector body

C – Tin-plated brass contacts

D – MC Cable standard. HCF MC, C12S MC optional, IGW option standard with FMC.

OC2 - Cable 2 Port



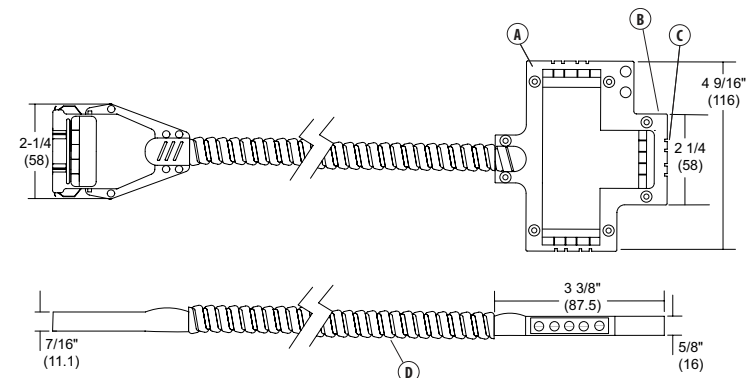
A – Injection-molded, high-impact polymeric compound enclosure

B – Tin-plated, brass contacts

C – MC Cable standard. C12S MC optional, IGW option standard with FMC.

D – 18-gauge galvanized steel cover, zinc alloyed casting

OC3 - Cable 3 Port



A – Die-cast zinc with zinc-plated CRS cover

B – UL recognized connector body

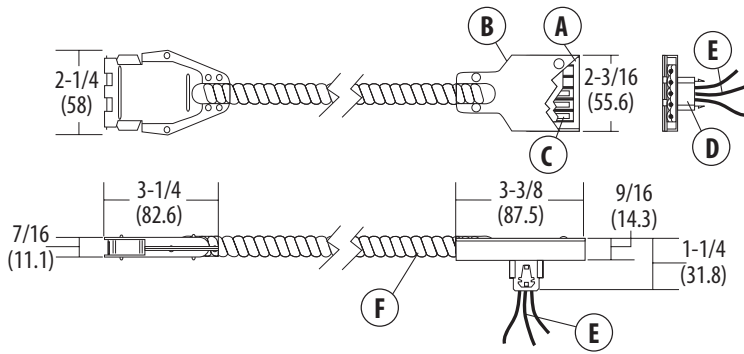
C – Tin-plated brass contacts

D – MC Cable standard. HCF MC, C12S MC optional, IGW option standard with FMC.

DIMENSIONS

Dimensions are shown in inches (millimeters)

OFC - Fixture Cable



- A – UL-recognized connector body
- B – Die-cast zinc with zinc-plated CRS cover
- C – Tin-plated, brass contacts
- D – Cast snap-in fitting fits 1.2" trade-size K.O. and provides grounding
- E – No. 18 AWG solid copper wires rated at 600V, 90°C thermoplastic insulation with stripped leads
- F – MC cable standard. HCF MC, C12S MC optional.

NOTES

- One, two or three hot conductors in 120V and 277V as required.
- Rated for 20-amp capacity.
- Prefabricated standard selector cable carrying No. 12 AWG copper conductors. 600V, 90°C thermoplastic insulation and fully rated bare grounding conductor.
- Standard selector cable provides auto-grounding to fixture unless specified otherwise.

OnePass OFC Wire Color Chart

120V, 277V, 347V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Neutral #1
120V & 347V	Bare or Green	Black	Red	Blue	White
277V	Bare or Green	Brown	Orange	Yellow	Gray
208V, 240V, 480V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Hot #4
208V & 240V	Bare or Green	Black	Red	Blue	Violet
480V	Bare or Green	Brown	Orange	Yellow	Violet
120V, 277V, 347V Two Circuit, Two Neutral (2N option)					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Neutral #2	Neutral #1
120V & 347V	Bare or Green	Black	Red	Gray	White
277V	Bare or Green	Brown	Orange	White	Gray
120V, 277V, 347V Class I, Class II (C12S option)					
Position	1	2	3	4	5
Conductor	Hot #1	Neutral #1	Ground	Data #1	Data #2
120V & 347V	Black	White	Bare or Green	Violet	Gray
277V	Brown	Gray	Bare or Green	Violet	Gray
208V & 240V	Brown	Orange	Bare or Green	Violet	Gray
480V	Brown	Orange	Bare or Green	Violet	Gray

Note: Wire colors are specific for cables with exposed wireleads.

SYSTEM VIEW

System View designs are for illustrative purposes only.

