

C2KX Marine Cable Connector

Wire Braid Armor and Jacketed Cables.

NEC/CEC:

Class I, Division 2 ①, Groups A, B, C, D
Class I, Zone 1, AEx e II, AEx nR II
Class I, Zone 2, AEx e II
NEMA 4X
IP66, IP67, IP68

ATEX/IECEX:

Ⓢ II 2 GD, II ID, EX e IIC Gb, Ex ta IIIC Da
Ex e II
Ex tD A21 IP66
Ⓢ II 3 G Ex nR IIC Gc

Appleton

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF AND ATEX/IECEX FLAMEPROOF CABLE GLANDS

Applications

- Cable connector for armor braid shipboard cable and all IEC braid cables is suitable for ordinary and wet locations and provides mechanical retention and electrical continuity via a removable armor termination.

Features

- Connector provides an environmental seal on the cable outer jacket and is UL Listed for NPT or Metric entry threads.
- The C2KX forms part of a comprehensive range of deluge proof connectors for marine shipboard and IEE45 armor jacketed cables.
- Permitted for use in Division 2 areas on equipment without internal source of ignition (i.e. no arcing or sparking devices).
- Armor termination — removable armor cone and ring.
- Sealing technique — Displacement seal concept. Sealing area — Outer sheath.

Standard Materials

- Connector: brass fully nickel plated
- Seal: SOLO LSF (low smoke fumes) thermoplastic elastomer

Options

- Brass with nickel plated threaded entry: replace last digit 5 with 7
- Aluminum: replace last digit 5 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E200163, E256367
- CSA Standard: C22.2 No. 0.18,3,94.1,94.2, CAN/CSA E60079-0,7, CAN/CSA C22.2 No. 60529:05
- CSA Certified: 101909

Cable Connector Size	Metric Thread C	Standard Metric ②	Catalog Numbers				Minimum Thread Length mm (in) E	
			Standard NPT Thread C	Standard NPT ②	Optional NPT Thread C	Optional NPT Thread ②	NPT	Metric
20S/16	M20	2016C2KX5	1/2	2016C2KX0505	3/4	2016C2KX0755	20.19 (0.79)	15.01 (0.59)
20S	M20	20SC2KX5	1/2	20SC2KX0505	3/4	20SC2KX0755	20.19 (0.79)	15.01 (0.59)
20	M20	20C2KX5	1/2	20C2KX0505	3/4	20C2KX0755	20.19 (0.79)	15.01 (0.59)
25	M25	25C2KX5	3/4	25C2KX0755	1	25C2KX1005	20.50 (0.81)	15.01 (0.59)
32	M32	32C2KX5	1	32C2KX1005	1-1/4	32C2KX1255	24.54 (0.97)	15.01 (0.59)
40	M40	40C2KX5	1-1/4	40C2KX1255	1-1/2	40C2KX1505	25.91 (1.02)	15.01 (0.59)
50S	M50	50SC2KX5	1-1/2	50SC2KX1505	2	50SC2KX2005	26.39 (1.04)	15.01 (0.59)
50	M50	50C2KX5	2	50C2KX2005	2-1/2	50C2KX2505	27.20 (1.07)	15.01 (0.59)
63S	M63	63SC2KX5	2	63SC2KX2005	2-1/2	63SC2KX2505	27.20 (1.07)	15.01 (0.59)
63	M63	63C2KX5	2-1/2	63C2KX2505	3	63C2KX3005	40.21 (1.58)	15.01 (0.59)
75S	M75	75SC2KX5	2-1/2	75SC2KX2505	3	75SC2KX3005	40.21 (1.58)	15.01 (0.59)
75	M75	75C2KX5	3	75C2KX3005	3-1/2	75C2KX3505	41.81 (1.65)	15.01 (0.59)
90	M90	90C2KX5	3-1/2	90C2KX3505	4	90C2KX4005	41.81 (1.65)	24.13 (0.95)
100 ③	M100	100C2KX5	4	100C2KX4005	5	100C2KX5005	44.30 (1.74)	24.13 (0.95)

① When installed in accordance with the National Electrical Code.

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

③ Not UL Listed or CSA Certified.

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ATEX/IECEX:

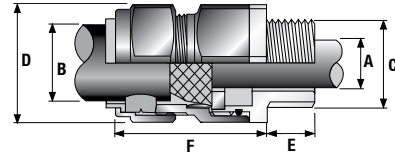
Ⓢ II 2 GD, II ID, EX e IIC Gb, Ex ta IIIC Da
 Ex e II
 Ex tD A21 IP66
 Ⓢ II 3 G Ex nR IIC Gc

ATEX/IECEX Certifications and Compliances

- EN/IEC Standards: 60079-0; 60079-1; 60079-7; 60079-15; 60079-31
- Oil Resistant II
- Marine: LLOYDS, DNV, ABS
- Shell / ERA deluge test DTS 01:1991 (after 20 years simulated accelerated aging)



Dimensions in Millimeters (Inches)



Cable Connector Size	Maximum Cable Bedding Diameter mm (in) A	Overall Cable Diameter mm (in) B		Across Flats mm (in) D	Across Corners mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Cable Connector Weight kgs (oz)
		Min	Max					
20S/16	8.71 (0.34)	6.10 (0.24)	13.21 (0.52)	24.00 (0.94)	26.42 (1.04)	48.01 (1.89)	PVC06	0.13 (4.66)
20S	11.71 (0.46)	9.50 (0.37)	15.90 (0.63)	24.00 (0.94)	26.42 (1.04)	48.01 (1.89)	PVC06	0.13 (4.66)
20	14.00 (0.55)	12.50 (0.49)	20.90 (0.82)	30.51 (1.20)	33.58 (1.32)	48.01 (1.89)	PVC06	0.19 (6.84)
25	19.99 (0.79)	18.21 (0.72)	26.19 (1.03)	37.49 (1.48)	41.25 (1.62)	56.13 (2.21)	PVC09	0.31 (10.79)
32	26.29 (1.04)	23.70 (0.93)	33.91 (1.34)	46.00 (1.81)	50.62 (1.99)	54.10 (2.13)	PVC09	0.31 (10.79)
40	32.21 (1.27)	27.89 (1.10)	40.41 (1.59)	54.99 (2.16)	60.50 (2.38)	57.91 (2.28)	PVC11	0.47 (16.51)
50S	38.20 (1.50)	35.20 (1.39)	46.71 (1.84)	59.99 (2.36)	66.01 (2.60)	60.96 (2.40)	PVC15	0.68 (23.92)
50	44.09 (1.74)	40.41 (1.59)	53.11 (2.09)	70.00 (2.76)	77.01 (3.03)	59.94 (2.36)	PVC18	0.75 (26.46)
63S	50.01 (1.97)	45.59 (1.79)	59.41 (2.34)	75.01 (2.95)	82.52 (3.25)	73.91 (2.91)	PVC21	1.04 (36.83)
63	56.01 (2.21)	54.61 (2.15)	65.89 (2.59)	80.01 (3.15)	88.01 (3.46)	71.12 (2.80)	PVC23	1.07 (37.88)
75S	62.00 (2.44)	59.00 (2.32)	72.11 (2.84)	89.00 (3.50)	97.92 (3.86)	86.11 (3.39)	PVC25	1.28 (45.15)
75	68.00 (2.68)	66.70 (2.63)	78.51 (3.09)	99.01 (3.90)	108.92 (4.29)	82.04 (3.23)	PVC28	1.86 (65.61)
90	80.01 (3.15)	76.20 (3.00)	90.40 (3.56)	114.0 (4.49)	125.40 (4.94)	95.00 (3.74)	PVC30	2.55 (89.95)
100 ②	91.01 (3.58)	86.11 (3.39)	101.50 (4.00)	123.01 (4.84)	135.31 (5.33)	95.00 (3.74)	PVC32	3.65 (128.75)

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② Not UL Listed or CSA Certified.