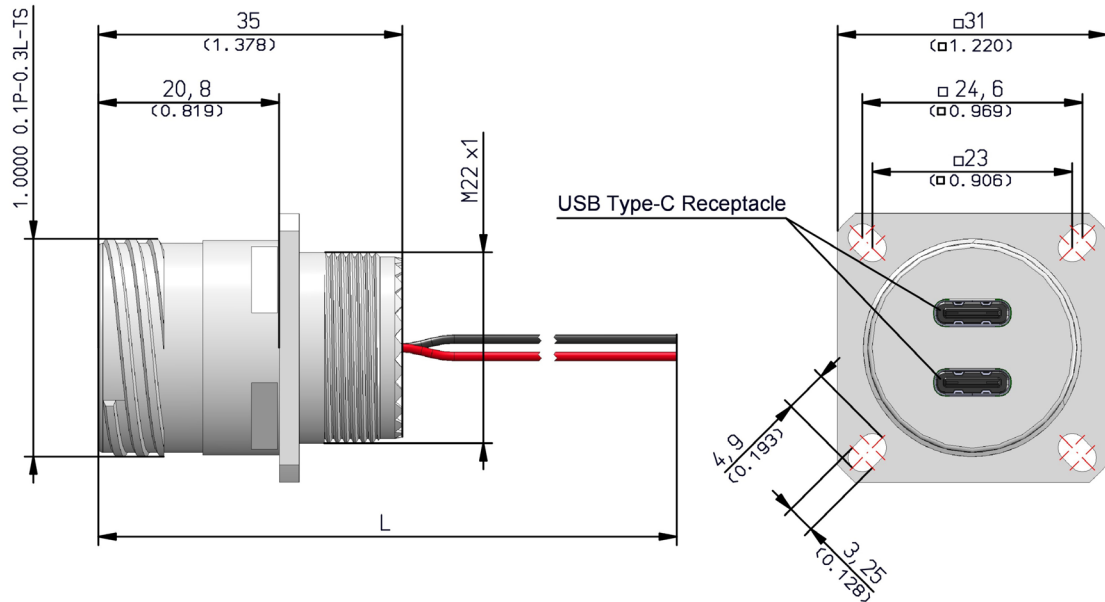


X2-SERIES – RUGGED USB CONNECTIONS

USB C DUAL – SQUARE FLANGE FOR POWER SUPPLY X2-9846



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Mates with

Shell derived from D38999

PN: X2-9846

Datasheet Version: 1.0

CATALOG:

Harsh Environment
Data Connectivity Solutions

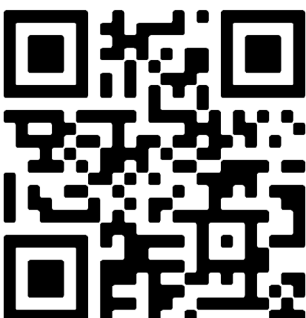


Table A: Material & Plating

Material & Plating Code	Technical Design	ROHS-/REACH Compliant	Electrically Conductive	Salt Spray Resistance according to MIL spec.	Salt Spray Resistance according to VG spec.
V	Tin-Zinc grey Base material: Al-alloy Tin-Zinc over electroless Nickel	Yes	Yes	500 hrs	5 day cyclic
5	Electroless Nickel Base material: Al-alloy	Yes	Yes	48 hrs	n.a.
2	Zinc-Nickel black Coupling ring: Al-alloy, black anodized Shell: Zinc-Nickel black chromate over electroless Nickel	Yes	Yes	500 hrs	n.a.
6	Cadmium olive drab Coupling ring: Al-alloy, olive drab anodized Shell: Al-alloy Cadmium plated olive drab over electroless Nickel	No	Yes	500 hrs	5 day cyclic
9	Marine Bronze Base material: Marine Bronze CuAl10Ni5Fe4 (CW307G) Shotblast, nonreflective	Yes	Yes	n.a.	n.a.
1	Stainless Steel / passivated	Yes	Yes	n.a.	n.a.

Performance

Voltage Rating (V_BUS)	20 V
Current Rating (V_BUS)	5 A
Temperature	-40 °C to +85 °C
Mating cycles USB C	>10.000 (USB C)
D+/D-	A6&A7 and B6&B7 short-circuited
V_BUS (red)	A4, A9, B4, B9
GND (black)	A1, A12, B1, B12

GND not connected to USB housing. Optional possible, please contact sales office.

Materials

USB C shell	Nickel plated
Housing	See option material
Wire type	FLRY: 1mm ²

Table B: Wire length

Length Code	Length L in mm	Tolerance in mm
0300	300 (11.811)	+ 20 (0.787)
0500	500 (19.685)	+ 30 (1.181)
1000	1000 (39,370)	+ 40 (1.575)

For charging applications, the achieved performance depends on the devices used.
For details about panel cut out see page 73 in the full „Harsh Environment Data Connectivity Solutions“ catalog.

How to order

	Table	X2-9846	15	5	0500
Basic part number					
Shell size					
Material & plating code	A				
Wire length	B				

ORDER EXAMPLE X2-9846-15-5-0500

USB C DUAL – SQUARE FLANGE FOR PWR
SIZE 15
ELECTROLESS NICKEL
WIRE LENGTH 500 MM

EMCA CONNECTOR SOLUTIONS GMBH

X2-9846 | Datasheet Version 1.0

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