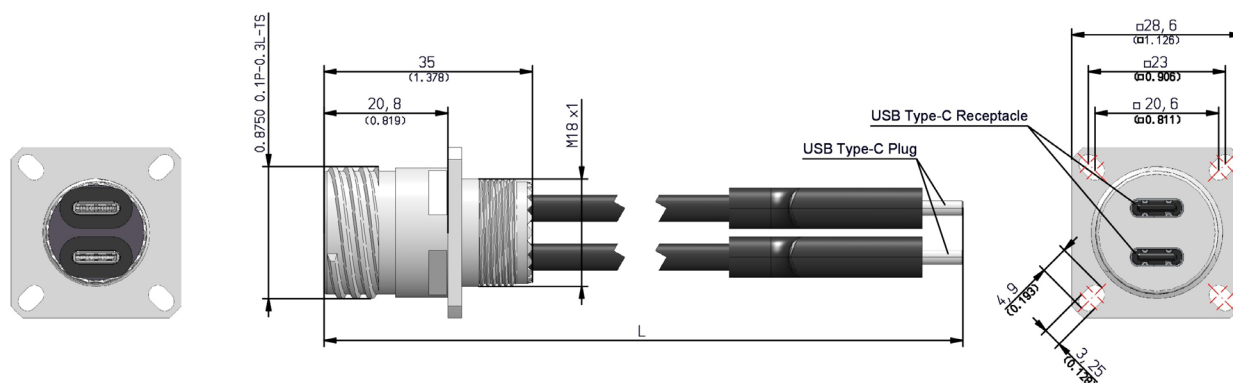


X2-SERIES – RUGGED USB CONNECTIONS

USB C – SQUARE FLANGE DUAL RECEPTACLE WITH CORDSET X2-9866



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Shell derived from D38999

PN: X2-9866

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	-20 °C to +85 °C
Mating cycles (USB C)	>10.000
Type-C Receptacles	Pins A7&B7 and A6&B6 connected
Compatible with	USB 3.2 Gen 2

Materials

Over molding (plug)	PVC
USB C	Nickel plated
Cable jacket	PVC
Cable type	UL 2725
Housing	See option material

For details about panel cut out see page 73 in the full „Harsh Environment Data Connectivity Solutions“ catalog.

Table B: Cable length

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

How to order

	Table	X2-9866	13	5	0500
Basic part number					
Shell size					
Material & plating code	A				
Cable length	B				

ORDER EXAMPLE

X2-9866-13-5-0500

USB C DUAL – SQUARE FLANGE WITH CORDSET

SIZE 13

ELECTROLESS NICKEL

CABLE LENGTH 500 MM

EMCA CONNECTOR SOLUTIONS GMBH

X2-9866 | Datasheet Version 1.0

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