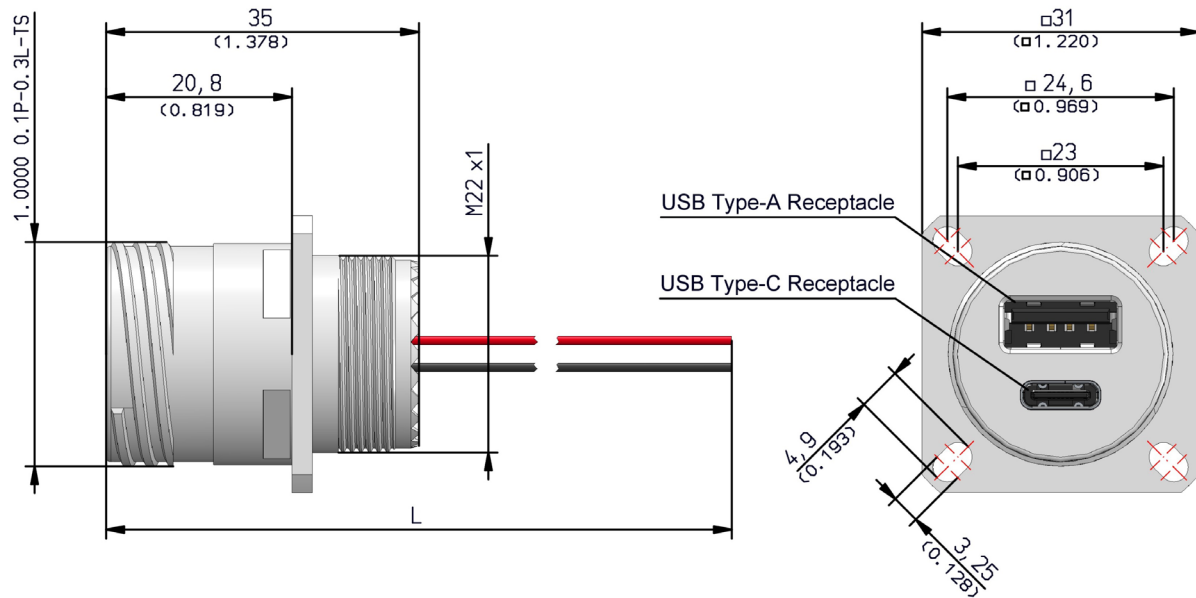


X2-SERIES – RUGGED USB CONNECTIONS

USB A/C – SQUARE FLANGE RECEPTACLE FOR POWER SUPPLY X2-9858



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Shell derived from D38999

PN: X2-9858

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	30 V / 20 V (USB A/C)
Current Rating	1,8 A / 5 A(USB A/C)
Temperature	-40 °C to +85 °C
Mating cycles	>5.000 / >10.000 (USB A/C)
Type-A Receptacle	Pin 2 (D-) and Pin 3 (D+) short-circuited
Type-C Receptacle	Pins A7&B7 and A6&B6 connected

Materials

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

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.

Table B: Wire 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	X2-9858	15	5	0500
Basic part number					
Shell size					
Material & plating code	A				
Wire length	B				

ORDER EXAMPLE X2-9858-15-5-0500

USB A/C – SQUARE FLANGE FOR POWER SUPPLY
SIZE 15
ELECTROLESS NICKEL
WIRE LENGTH 500 MM

EMCA CONNECTOR SOLUTIONS GMBH

X2-9858 | Datasheet Version 1.0

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