



TANNER, INC. — WIRE & CABLE SPECIALISTS
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E-SERIES

E7 / E10 / E13 / E16 Circular Connector

WATERPROOF CONNECTOR SPECIFICATION SHEET



DWG NO. TAN-ESR-001	SERIES E-Series	STANDARD UL94-V0 housing	REV A	DATE 2026-09-05
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GENERAL SPECIFICATIONS

Housing Material	Thermoplastic PA66, UL94-V0
Contact Material	Brass, phosphorus copper gold-plated
Sealing Material	Epoxy resin / rubber
Waterproof Grade	IP67
Wired Temp.	-25°C to +85°C
Assembled Temp.	-55°C to +125°C
Insulation Resistance	≥100 MΩ
Contact Resistance	≤5 mΩ
Durability	≥500 mating cycles

PIN CONFIGURATIONS

E7 4-Pin

E10 8-Pin

E13 12-Pin

Pin counts available: E7: 2–6 · E10: 2–12 · E13: 2–18 · E16: 2–22

Coupling: E7 7/16"-28UNS · E10 5/8"-27UNS · E13 13/16"-28UNS · E16 1"-20UNEF (thread or bayonet)

ELECTRICAL PARAMETERS

Series	Rated Voltage	Rated Current	Conductor Size
E7	60–125V	2–5A	20–22 AWG
E10	30–300V	2–10A	18–22 AWG
E13	30–300V	2–20A	14–22 AWG
E16	50–500V	2–20A	12–26 AWG

ORDERING CODE REFERENCE

TW-EC13-08F-PNL

Tanner, Inc. internal reference number. Contact sales@tannerwire.com for cross-manufacturer equivalents.

TYPICAL APPLICATIONS

LED display, outdoor communication equipment, monitoring systems, automation equipment interconnects.