



SRT shall conform to the SAE J2863 standard for its trailers

SAE trailer wiring is a standard for electrical wiring between trailers and trucks, and includes a variety of connectors and standards:

- SAE J560

The standard for 7-pin connectors for heavy-duty trucks and trailers, which was first issued in 1951 and last revised in 2020. It includes primary connectors for lighting and auxiliary connectors for other functions.

- SAE J1239

The standard for 4-pin connectors for light trailers and towing vehicles, which was first established in 1978 and last revised in 2010.

- **SAE J2863** (SOLAR RIG STANDARD)

The standard for 7-position self-draining trailer tow connectors for automotive or RV applications

In addition to standard Brake, Turn and Night Time lights,

Solar Rig also provides, White back up lights with beeper, for increased safety protocols.

The general wire type for SRT trailer wiring is copper and is between 12-16 gauge (AWG)

Utility, Equipment, & Cargo Trailer 7-Way Diagram

SAE WIRING

*Colors may vary. Use circuit tester to verify connections.



COLOR	FUNCTION	MIN. WIRE GAUGE
Green	Right Turn/Brake Light	16
Yellow	Left Turn/Brake Light	16
Brown	Tail/Running Lights	16
Blue	Brake Controller	12
Red/Black	12v Lead/Auxiliary Power	12
Purple	Reverse Lights	16
White	Ground	10-12