

TECTRAN POWERCOIL LINEUP

Safety Laws & Cable Selection

According to laws in the USA and Canada, all new trucks, trailers and dollies must be equipped with ABS. As a result many fleets are abandoning the use of light duty cables in favor of SAE J2394 Heavy Duty Cables.

Circuit Identification

White	Ground return
Black	Clearance marker, identification lamps
Yellow	Left turn signal and hazard lamps
Red	Stop lamps
Green	Right turn signal and hazard lamps
Brown	Tail and license plate lamps
Blue	ABS Continuous Power



Green (ATG Series) - Heavy Duty for ABS

Wht	Blk	Yel	Red	Grn	Brn	Blue
8 ga	12 ga	12 ga	10 ga	12 ga	12 ga	10 ga

- ABS on blue or red 10 gauge circuit
- Use for ABS or non-ABS equipment
- Complies with SAE J2394 (Type F)
- Replaces SAE J1067 (red) cables

ABS	Yes	Multi-Trailer	Yes	Stop Lamp	Bright
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Yellow (ATG Series) - For Auxiliary Power

Wht	Blk	Yel	Red	Grn	Brn	Blue
8 ga	12 ga	12 ga	10 ga	12 ga	12 ga	10 ga

- Use for Auxiliary equipment
- Comes w/ SAE J560 - Aux (ISO 3731) inverted ground plugs
- Complies with SAE J2394 (F)

ABS	N/A	Multi-Trailer	Yes	Stop Lamp	Bright
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Silver (STS Series) - Standard Duty

Wht	Blk	Yel	Red	Grn	Brn	Blue
10 ga	12 ga	12 ga	12 ga	12 ga	12 ga	12 ga

- Not for ABS
- Use for older equipment
- Uses 12 gauge wire & 10 gauge ground

ABS	No	Multi-Trailer	No	Stop Lamp	Bright
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Bronze (MTY Series) - Medium Duty

Wht	Blk	Yel	Red	Grn	Brn	Blue
12 ga	14 ga	14 ga	12 ga	14 ga	14 ga	14 ga

- Not for ABS
- Use for older equipment
- Uses 12 gauge wire for stoplamp & ground

ABS	No	Multi-Trailer	No	Stop Lamp	Bright
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Black (ETB Series) - Light Duty

Wht	Blk	Yel	Red	Grn	Brn	Blue
12 ga	14 ga	14 ga	14 ga	14 ga	14 ga	14 ga

- Not for ABS
- Use for older short length trailers
- Tectran recommends 12 gauge wire

ABS	No	Multi-Trailer	No	Stop Lamp	Moderate
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TECTRAN POWERCOILS

Tectran takes the SAG out of coiled electrical cables.

With the increased weight of heavier wire gauges and the lowering of mounting connections on today's tractors, coiled cables have a tendency to sag and drag after only moderate use.

Tectran uses more cable per coil than other manufacturers but uses a proprietary material and

manufacturing technique to improve the memory of the coils. The angle of trailer connectors during turns allows them to stay coupled in spite of the increased tension on the cable.

Tectran recommends the use of a 15' coil where the distance measured between the connection or clamping point on the tractor and the connection point on the trailer during a hard right turn is more than 72" and less than 96". In cases where this distance is above 96" and less than 132", a 20' coil should be used.

It is also important to specify a long tractor lead wherever the distance from the tractor connection to the deck is less than 18". Tectran supplies longer tractor leads in 48" and 72" lengths.



Tectran's unique WeatherSeal consisting of a sealant-lined boot secured to the plug and cable is a low cost option to our standard spring gaurd. This boot provides strain relief and corrosion resistance to the inner wire connections while offering bend restriction to the cable