| CONNECTOR |  |  | FUNCTION | COLOR | SUGGESTED MINIMUM WIRE GAUGE |  | WHERE TO ATTACH - Vehicle Side | WHERE TO ATTACH - Trailer Side |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4-Way \& 5-Way |  | 6 -Way \& 7-Way |  |  |
|  |  | $5{ }_{5} 4$ |  | RIGHT TURN | GREEN | 18 | 16 | Right turn of vehicle's wiring harness | Trailer's right turn signal |
|  | ${ }_{\text {w }}$ | (1) | LEFT TURN | YELLOW | 18 | 16 | Left turn of vehicle's wiring harness | Trailer's left turn signal |
|  |  |  | GROUND | WHITE | 16 | 12 | Vehicle ground point - metal, uncoated, ustproof | Trailer's ground point - meta, uncoated, rustproof |
|  |  |  | TAIL/MARKER | BROWN | 18 | 16 | Taillight of vehicle's wiring harness | Trailer's taillights |
|  |  |  | BRAKE | BLUE |  | 12 | Electric brake control | Trailer brakes |
|  |  |  | BATTERY | RED |  | 12 | Fuse block or FUSED battery lead | Break away kit |
|  |  |  | BACK UP | PURPLE | 18 | 16 | Back up of vehicle's wiring harness | Back up lights (if available) |

## NOTE:

Identify the wires on your vehicle and trailer by function only. Color coding is not standard among all manufacturers.


## HOPKINS ${ }^{\text {m }}$ MODEL NO. 48245 TRAILER WIRING DIAGRAM



