

# Model Railway Wiring Standard

(Developed from [https://dccwiki.com/Wiring\\_Color\\_Code](https://dccwiki.com/Wiring_Color_Code))

Purpose	Colour
Track Power (DCC)	Red
Track Power (DCC)	Black
Frog rails (DCC)	Green
Point motors (12V DC): common +ve	Blue
Point motors (12V DC): switch wires (both sides) -ve	Yellow
Signals and other lighting (12V DC): +ve	Orange
Signals and other lighting (12V DC): common -ve	Grey
DCC Concepts S-Lever switch harness (12V DC): common	Black
DCC Concepts S-Lever switch harness (12V DC): left	Orange
DCC Concepts S-Lever switch harness (12V DC): right	Blue

## Wire gauges

- 16/0.2 wire for droppers and low voltage (3A).
- 32/0.2 wire for main bus (4.5A).

## Ferrules

Use 0.5mm<sup>2</sup> bootlace ferrules for 16/0.2 wire, and 1mm<sup>2</sup> for 32/0.2 wire however:

- Arduino Motor Shield and MP1 Point Motor terminals are too small for a ferrule.
- DCC Concepts S-Lever wiring harness needs smaller (0.25mm<sup>2</sup> ferrules).
- Hobbytrax 12V distribution board needs ferrules to be squeezed flat.

## Connectors

- Most terminal blocks are rated at 3A though 5A would be needed if used for main bus wires.
- Pluggable connector blocks are rated at 6A.