



# 100E

## THE RAIL-APPROVED 100E 300 VOLT SIGNAL WIRE

Introducing the new 100E Wire & Cable . To complement its existing 100G product line TE Connectivity (TE) is launching 100E 300 volt signal wire. This Rail-approved Wire & Cable is fully compliant to all of the clauses specified in: EN50306-2, EN50306-3, EN50306-4. The wire meets all of the thin walled EN Rail approvals, and is suitable for all new rail builds within the European Union.

With TE Connectivity's polymer & cross linking technology. The dual wall jacket insulation of 100E is;

- Lightweight, Thin walled leading to reduce bundle volume and weight.
- Approximately 30% lighter than conventional thick walled wire, giving significant energy savings to the end user.
- Approximately 50% saving in bulk of wire giving more room for the train designer, builder and passengers.
- Compliant to EN50306-2, -3, -4 thin wall Rail standard, meaning it is suitable to be used in passage trains close to passenger

### Applications

- Rail market rolling stock
- Underground metro tunnels
- All signal & power applications for rolling stock and tunnels

### Continuous Operating Temperature (Wire)

-55°C to 125 °C

### Continuous Operating Temperature (Cable)

-30°C to 105 °C

### Halogens:

Halogen Free, Low Smoke, Highly Flame Retarded

### Voltage rating:

100E 300/500V

### Conductor size range:

0.50mm<sup>2</sup> to 2.50mm<sup>2</sup>

### Construction:

Single Core

### Colours:

Single core insulation white

Standard insulation white

### Conductors:

Tin plated copper stranded