

# INTRODUCING RAIL SIGNAL WIRE AND CABLE

- Reduction of overall energy consumption of the train
- More space for passengers due to less space required for the wire



This family of low voltage signal wire and cables, meets all requirements of EN50306-2, -3, -4 as well as the flame, smoke and toxicity requirements of EN45545-2. Their cross linked outer jacket makes this family of cables suitable for the harshest of Rail environments. The portfolio meets the key European, Asian Rail standards. With the polymer science background, we developed light weight thin walled jackets.

Reduction in wall thickness and jacket insulation offers significant space savings and provides savings in weight. With our design capabilities, custom designs are available to meet individual customer requirements.

## KEY BENEFITS

- TE EN50306 Wire & cable only takes up 50% of the space against traditional thick wall wires, decreasing space for wires and increasing space for passengers.
- The lower weight of the TE EN50306 Wire & cable reduces the overall energy consumption of the train, which reduces costs and environmental load.
- The TE EN50306 Wire & cable meets all the rail requirements for low voltage signal wire the lifetime and quality are high.
- Thanks to the use of an Electron beam the outer jackets are ruggedized which makes the TE EN50306 Wire & cable qualified for the harshest environments without failure of the cable.

## APPLICATIONS

- Metro stations
- Locomotives
- Train carriages
- Track side

## SPECIFICATIONS

- EN50306-2, -3, -4
- EN45545-2

## ELECTRICAL

- 300V

## MECHANICAL

- EN50306

## SINGLE CORE WIRE AND MULTI-CORE SHIELDED CABLES

### Characteristics

- Excellent resistance to high and low temperature
- Outstanding Flame retardant
- Halogen free
- Thin walled with excellent flexibility
- Resistance to Oil, fuel, ozone and weathering.
- Easy to strip
- Low smoke density
- Soldering iron resistant
- Electron Beam Cross Linked.
- Resistance to corona effect

## LEARN MORE

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