

**TE CONNECTIVITY**  
**CAT5E**  
RAIL DATA CABLE

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## FEATURES AND BENEFITS

- Railway compliant to EN45545-2.
- Quad design consisting of two pairs of 22-AWG.
- Pre-assembled cable assemblies available for fast installation.
- Ruggedized outer jacket in cross linked polyethylene suitable for tough environments with excellent resistance to chemicals, mechanical stresses and temperature extremes.
- Designed for an operating voltage of 300 V.
- High speed category 5e or 7 cable.
- TE offers a full range of data cables, from 120 ohm to 10 Gb/s.

## PRODUCT APPLICATIONS

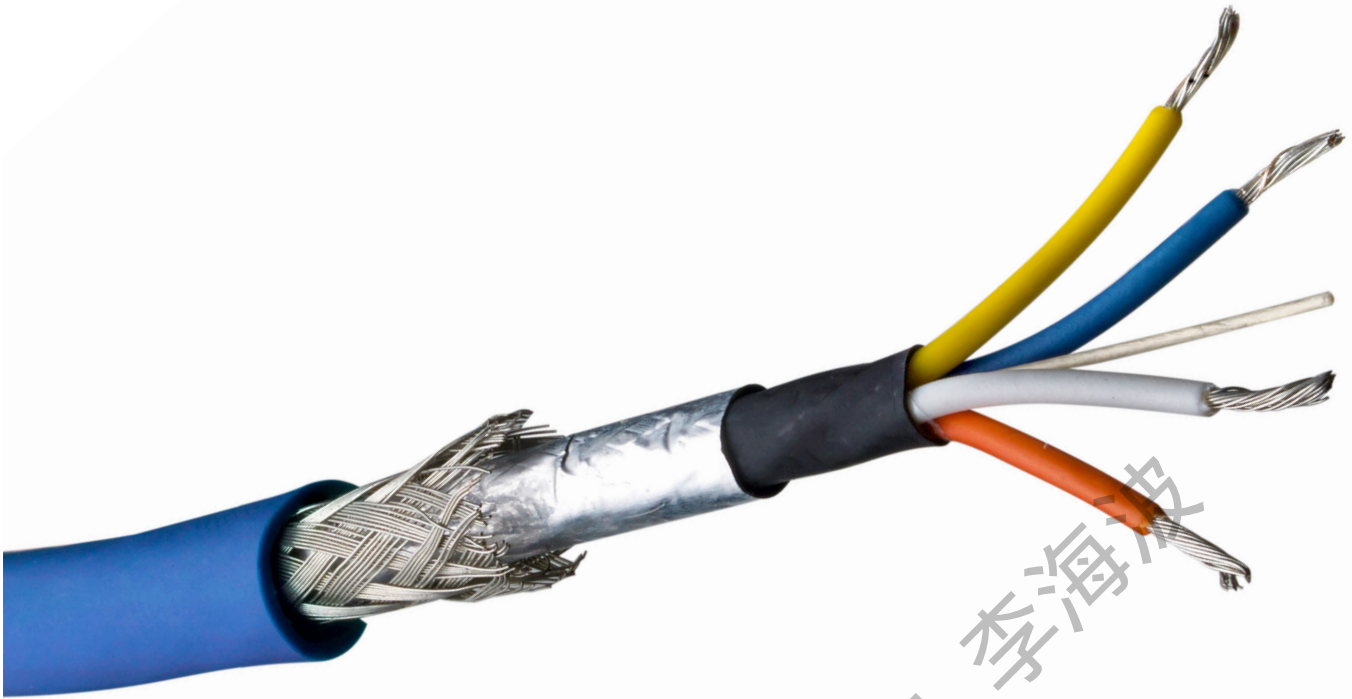
- Public transportation.
- Railway.
- Tram.
- Metro.
- Heavy industrial applications.

### Cable Specifications

	 <p>TE Cat 5<sup>e</sup> cable</p>
Part Number	2320808-1
No of conductors	4
No of pairs	2 (Quad Core)
Cross section	22 AWG
Temp range	-40°C to +90°C
Construction	<p>SFTP                      Insulation: Colour coded thermoplastic                      Conductor: Stranded, tin plated copper                      Inner Sheath: Low smoke, fire retardant, zero Halogen                      Black                      Shield 1: Alumised polyester tape                      Shield 2: Tinned copper braid                      Jacket: Low smoke, fire retardant, zero halogen                      EM104 TE Blue</p>
Features	Flame retardant, halogen free, low toxicity, low smoke, oil resistant, fuel resistant
Standards	EN45545-2 R15/R16 - Hazard level 3, ANSI/TIA-568-C.2, DIN 5510-2

## CAT5E

RAIL DATA CABLE



# CAT5E DATA CABLE

A Category 5e (Cat5e) quad high speed data cable for railway rolling stock and infrastructure. With its halogen-free flame retardant polymer insulation, the cable complies with EN45545-2, the new European standard covering fire behavior of materials and products in railway rolling stock. This is because its crosslinked outer jacketing provides high resistance to chemicals, mechanical stress and extreme temperatures. It can be supplied on it's own or in pre-assembled assemblies with connectors, for ease and speed of installation.

The new Cat5e data cable is a quad design consisting of two pairs of 22-AWG cores. It is designed for an opening voltage of 300 V. The electrical resistance of the conductor is less than or equal to 60 km, and that of the shield is up to 120 km. The insulation has a resistance of over 500 M /km (all at 20 degrees celsius).

Up to

**1Gb**

Data Transmission  
Speed

**Ruggedized**

outer jacket

**EN45545-2**

Compliant

## LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit [www.te.com/industrial](http://www.te.com/industrial) to chat with a Product Information Specialist.

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## PRODUCT CATALOGUE

**TE Connectivity**  
**Wire & Cable**