



RAYCHEM | RAYCHEM ZH-100

TE Internal #: 2336373-1

TE Internal Description: EN50306-3-RAIL-3X1.50

EN 50306-3-RAIL Three Core Cable

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Wire & Cable > Multicore Cable > EN 50306-3-RAIL Three Core Cable



Conductor Diameter Range: 1.65 mm [ .065 in ]

Number of Strands: 37

Strand Size: 31 AWG

Outside Cable Diameter: 5.4 – 6.4 mm [ .213 – .252 in ]

Voltage Rating: 300 V

[All EN 50306-3-RAIL Three Core Cable \(0\)](#)

## Features

### Product Type Features

Product Type	Cable
Wall Type	Single
Cable Style	Round Braided Shielded & Jacketed

### Configuration Features

Number of Strands	37
Number of Conductors	3

### Electrical Characteristics

Voltage Rating	300 V
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### Body Features

Cable Shield Size	36 AWG
Shield Material	Tin-Plated Copper
Cable Color	Black
Wire Color (Base)	White
Conductor Material	Tin-Plated Copper

### Dimensions

Conductor Diameter Range	1.65 mm[.065 in]
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Strand Size	31 AWG
Outside Cable Diameter	5.4 – 6.4 mm [.213 – .252 in]
Wire Size	1.5 mm <sup>2</sup>
Conductor Insulation Diameter	2.16 mm [.085 in]

### Usage Conditions

Operating Temperature Range	-40 – 120 °C
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### Operation/Application

Shielded	Yes
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### Product Compliance

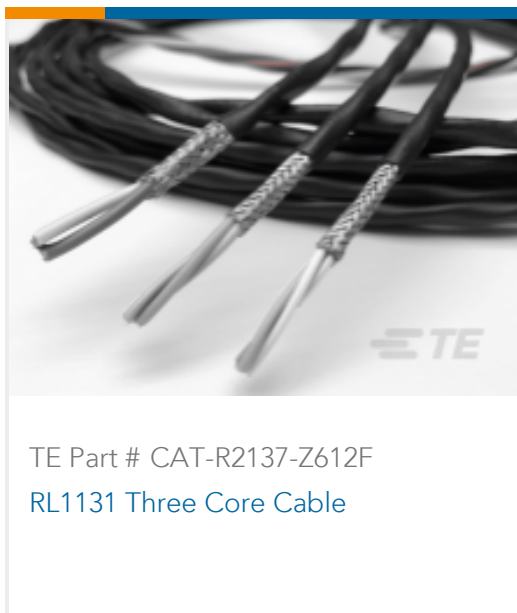
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

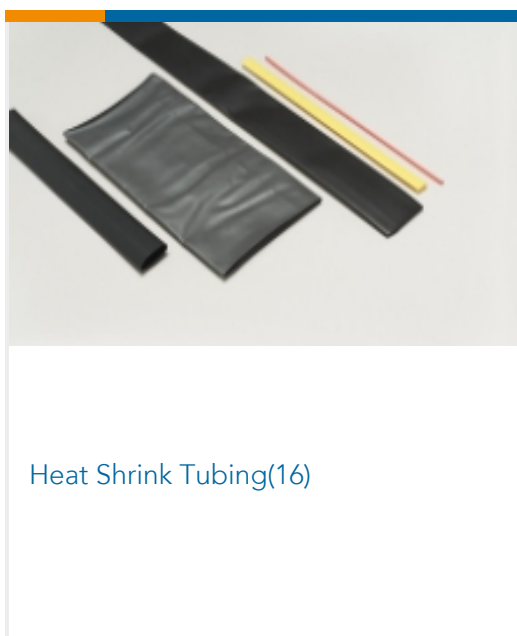
#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



## Also in the Series | [RAYCHEM ZH-100](#)



## Customers Also Bought



## Documents

### Product Drawings

[EN50306-3-RAIL-3X1.50](#)

English

### Datasheets & Catalog Pages

[WTDS004 EN 50306 WIRE AND CABLE](#)

English

[WTDS-024 Current Capacity of TE Connectivity Rail Signal Wire Products](#)

English