

Railway Axle Counting Cable - PE, PJF, FGT - Non Armoured



Description

Axle Counter cable is used to connect the various elements of the Axle Counter System. It is suitable for installation in trackside cable troughing, buried duct route and installed in open air on the ballast and clipped to sleepers as required.

Key Features



Voltage Rating 60/90 Volts



Minimum Bending Radius 10 x Overall Diameter



Temperature Limits Temperature Range: -25°C to +85°C

Core Colours

Core Identification: 2-24 paired cores colours as per datasheet

Standards

- BS EN/IEC 60228
- Network Rail Specification NR/L2/SIG/30060
- BS EN/IEC 60811
- PA05/03991

Construction

- Conductor: Class 1 solid Tinned Copper
- Insulation: Polyethylene (PE) Type 03
- Water Blocking: Petroleum jelly filled (XPS and XQS only)
- Anti Rodent Protection: Fibre glass woven tape (FGT)
- Radial Water Blocking: Laminated aluminium / polyethylene
- Outer Sheath: Polyethylene (PE) XPS and XAS Cables Low Smoke Zero Halogen (LSZH)XPZ and XAZ Cables
- Sheath Colour: Black

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.







CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis



















Railway Axle Counting Cable - PE, PJF, FGT - Non Armoured - Dimensions

| Reference | Conductor Size (mm2) | No Of Pairs | No Of Cores | Stranding(mm) | Overall Diameter(mm) | Weight(Kg/Km) | Cable Type | Rail Code |
|-----------|----------------------|-------------|-------------|---------------|-------------------------|---------------|------------|-----------|
| XPZ0924 | 0.63 | 24 | 24 Pair | 1/0.9 | 34.5 | 746 | XPZ | 6/170027 |
| XPZ0919 | 0.63 | 19 | 19 Pair | 1/0.9 | 31.4 | 632 | XPZ | 6/170026 |
| XPZ0912 | 0.63 | 12 | 12 Pair | 1/0.9 | 26.4 | 468 | XPZ | 6/170025 |
| XPZ0910 | 0.63 | 10 | 10 Pair | 1/0.9 | 24.7 | 424 | XPZ | 6/170024 |
| XPZ0902 | 0.63 | 2 | 2 Pair | 1/0.9 | 13.8 | 200 | XPZ | 6/170023 |
| XPS0924 | 0.63 | 24 | 24 Pair | 1/0.9 | 34.5 | 982 | XPS | 6/170035 |
| XPS0919 | 0.63 | 19 | 19 Pair | 1/0.9 | 31.4 | 810 | XPS | 6/170034 |
| XPS0912 | 0.63 | 12 | 12 Pair | 1/0.9 | 26.4 | 584 | XPS | 6/170009 |
| XPS0910 | 0.63 | 10 | 10 Pair | 1/0.9 | 24.7 | 530 | XPS | 6/170008 |
| XPS0902 | 0.63 | 2 | 2 Pair | 1/0.9 | 13.8 | 215 | XPS | 6/170007 |
| XPZ1424 | 1.5 | 24 | 24 Pair | 1/1.4 | 45 | 1548 | XPZ | 6/170032 |
| XPZ1419 | 1.5 | 19 | 19 Pair | 1/1.4 | 40.8 | 1284 | XPZ | 6/170031 |
| XPZ1412 | 1.5 | 12 | 12 Pair | 1/1.4 | 33.8 | 909 | XPZ | 6/170030 |
| XPZ1410 | 1.5 | 10 | 10 Pair | 1/1.4 | 31.4 | 807 | XPZ | 6/170029 |
| XPZ1402 | 1.5 | 2 | 2 Pair | 1/1.4 | 16.4 | 314 | XPZ | 6/170028 |
| XPS1424 | 1.5 | 24 | 24 Pair | 1/1.4 | 45 | 1787 | XPS | 6/170040 |
| XPS1419 | 1.5 | 19 | 19 Pair | 1/1.4 | 40.8 | 1460 | XPS | 6/170039 |
| XPS1412 | 1.5 | 12 | 12 Pair | 1/1.4 | 33.8 | 1016 | XPS | 6/170038 |
| XPS1410 | 1.5 | 10 | 10 Pair | 1/1.4 | 31.4 | 910 | XPS | 6/170037 |
| XPS1402 | 1.5 | 2 | 2 Pair | 1/1.4 | 16.4 | 320 | XPS | 6/170036 |



















AXLE COUNTING CABLE - PAIR CORE COLOURS

| Pair | А | В | Pair | А | В |
|------|--------|--------|------|-----------|--------|
| 1 | White | Blue | 13 | Yellow | Green |
| 2 | White | Orange | 14 | Yellow | Brown |
| 3 | White | Green | 15 | Yellow | Grey |
| 4 | White | Brown | 16 | Violet | Blue |
| 5 | White | Grey | 17 | Violet | Orange |
| 6 | Red | Blue | 18 | Violet | Green |
| 7 | Red | Orange | 19 | Violet | Brown |
| 8 | Red | Green | 20 | Violet | Grey |
| 9 | Red | Brown | 21 | Turquoise | Blue |
| 10 | Red | Grey | 22 | Turquoise | Orange |
| 11 | Yellow | Blue | 23 | Turquoise | Green |
| 12 | Yellow | Orange | 24 | Turquoise | Brown |

| Pair Nos. In Each Layer | | | | | | | |
|-------------------------|--------|-----------|--|--|--|--|--|
| NO. OF PAIRS | CENTRE | 1ST LAYER | | | | | |
| 2 | 1 & 2 | | | | | | |
| 10 | 1 & 2 | 3-10 | | | | | |
| 12 | 1-3 | 4-12 | | | | | |
| 19 | 1 | 2-7 | | | | | |
| 24 | 1 & 2 | 3-10 | | | | | |

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.



















CENELEC