

## 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

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

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

### AXLE COUNTING CABLE - PAIR CORE COLOURS

Pair	A	B	Pair	A	B
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.