

RAILWAY AXLE COUNTING CABLE



APPLICATION

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.

CABLE STANDARDS

Conductor to BS EN 60228
(previously BS 6360)
PE Insulation to BS6234
PE Sheath to BS6234
Network Rail Specification RT/E/PS/0031

CONSTRUCTION

Conductor: Solid tinned annealed copper conductor to BS EN 60228 (previously BS 6360)
Insulation: Type 03 polythene to BS6234 (PE)
Water Blocking Compound: Petroleum jelly filled (XPS and XQS only)
Anti Rodent Protection: Fibre glass woven tape (FGT)
Moisture Barrier: Aluminium/polymer laminate tape
Sheath: Type 03 polythene to BS6234 (PE)
Sheath Colour: Black

CHARACTERISTICS

Temperature Rating: Fixed: -25°C to +85°C

CORE IDENTIFICATION

2-24 paired cores colours as per table below

RAILWAY AXLE COUNTING CABLE - DIMENSIONS

CCC CODE	NR CODE	CABLE TYPE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)
XPS0902	006/170007	XPS	0.63	1/0.9	2	215	13.8
XPS0910	006/170008	XPS	0.63	1/0.9	10	530	24.7
XPS0912	006/170009	XPS	0.63	1/0.9	12	584	26.4
XPS0919	006/170034	XPS	0.63	1/0.9	19	810	31.4
XPS0924	006/170035	XPS	0.63	1/0.9	24	982	34.5
XPS1402	006/170036	XPS	1.5	1/1.4	2	320	16.4
XPS1410	006/170037	XPS	1.5	1/1.4	10	910	31.4
XPS1412	006/170038	XPS	1.5	1/1.4	12	1016	33.8
XPS1419	006/170039	XPS	1.5	1/1.4	19	1460	40.8
XPS1424	006/170040	XPS	1.5	1/1.4	24	1787	45
XPZ0902	006/170023	XPZ	0.63	1/0.9	2	200	13.8
XPZ0910	006/170024	XPZ	0.63	1/0.9	10	424	24.7
XPZ0912	006/170025	XPZ	0.63	1/0.9	12	468	26.4
XPZ0919	006/170026	XPZ	0.63	1/0.9	19	632	31.4
XPZ0924	006/170027	XPZ	0.63	1/0.9	24	746	34.5
XPZ1402	006/170028	XPZ	1.5	1/1.4	2	314	16.4
XPZ1410	006/170029	XPZ	1.5	1/1.4	10	807	31.4
XPZ1412	006/170030	XPZ	1.5	1/1.4	12	909	33.8
XPZ1419	006/170031	XPZ	1.5	1/1.4	19	1284	40.8
XPZ1419	006/170032	XPZ	1.5	1/1.4	24	1548	45

RAILWAY 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	3-10	4-12
19	1	2-7
24	1 & 2	3-10

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