



AXLE COUNTER AND STAR QUAD CABLE

NR/L2/SIG/30060

10 orderable sizes

STANDARD NR/L2/SIG/30060	VOLTAGE CLASS Signal circuit	TEMPERATURE CLASS -25 °C to +70 °C guide
CONDUCTOR Solid or stranded copper railway signal conductor	INSULATION / JACKET Trackside PE or LSZH outer sheath	

Construction

- 1 **Conductor** – Solid or stranded copper railway signal conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 2 **Insulation** – Foam or solid polyethylene signal insulation
- 3 **Shield** – Braid shield (C)
- 4 **Sheath** – Trackside PE or LSZH outer sheath

Size selection — all available cross-sections

Cable reference	Railway duty	Installation zone	Cable design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
Axle counter cable Signal circuit Axle counter link XQS star quad 1 quad 0.9 mm ²	Axle counter link	Trackside trough and ballast route	XQS star quad 1 quad	0.9 mm ²	Signal circuit	20.6 Ω/km	13.8 mm
Axle counter cable Signal circuit Axle counter link XQS star quad 1 quad 1.0 mm ²	Axle counter link	Trackside trough and ballast route	XQS star quad 1 quad	1.0 mm ²	Signal circuit	18.5 Ω/km	14.0 mm
Axle counter cable Signal circuit Axle counter link XQS star quad 1 quad 1.5 mm ²	Axle counter link	Trackside trough and ballast route	XQS star quad 1 quad	1.5 mm ²	Signal circuit	12.7 Ω/km	14.4 mm
Axle counter cable Signal circuit Axle counter link XQZ star quad 1 quad rodent protected 0.9 mm ²	Axle counter link	Trackside trough and ballast route	XQZ star quad 1 quad rodent protected	0.9 mm ²	Signal circuit	20.6 Ω/km	13.8 mm

Cable reference	Railway duty	Installation zone	Cable design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
Axle counter cable Signal circuit Axle counter link XQZ star quad 1 quad rodent protected 1.0 mm ²	Axle counter link	Trackside trough and ballast route	XQZ star quad 1 quad rodent protected	1.0 mm ²	Signal circuit	18.5 Ω/km	14.0 mm
Axle counter cable Signal circuit Axle counter link XQZ star quad 1 quad rodent protected 1.5 mm ²	Axle counter link	Trackside trough and ballast route	XQZ star quad 1 quad rodent protected	1.5 mm ²	Signal circuit	12.7 Ω/km	14.4 mm
Axle counter cable Signal circuit Axle counter evaluator link XPS multipair 4 pair 0.9 mm ²	Axle counter evaluator link	Trackside trough and equipment room	XPS multipair 4 pair	0.9 mm ²	Signal circuit	20.6 Ω/km	15.1 mm
Axle counter cable Signal circuit Axle counter evaluator link XPS multipair 4 pair 1.0 mm ²	Axle counter evaluator link	Trackside trough and equipment room	XPS multipair 4 pair	1.0 mm ²	Signal circuit	18.5 Ω/km	15.2 mm
Axle counter cable Signal circuit Axle counter evaluator link XPZ multipair 8 pair rodent protected 0.9 mm ²	Axle counter evaluator link	Trackside trough and equipment room	XPZ multipair 8 pair rodent protected	0.9 mm ²	Signal circuit	20.6 Ω/km	16.9 mm
Axle counter cable Signal circuit Axle counter evaluator link XPZ multipair 8 pair rodent protected 1.0 mm ²	Axle counter evaluator link	Trackside trough and equipment room	XPZ multipair 8 pair rodent protected	1.0 mm ²	Signal circuit	18.5 Ω/km	17.1 mm