



Track circuit leads

Pre-terminated track connection cables.

Applications

There are different types of track circuit leads available:

- Conventional track circuit: Catered for with the 2.5mm² C1 and 2.5mm² E1 type leads.
- Track Circuit (Jointless): Such as 'Aster' and 'TI21' are catered for with the 35mm² C1 and 70mm² leads.
- Rail Bonding (Yellow): Catered for with the 35mm² leads identified by yellow sleeving.
- Rail Bonding (Stud Connections): Catered for with the 2.5mm² C1 leads.

Features and Benefits

Our Flexo track circuit leads deliver cost savings in signalling installation and maintenance projects, by providing factory tested quality assurance whilst reducing installation times. The single core cables are supplied with a factory moulded termination at one or both ends. The terminations that are moulded in neoprene provide excellent vibration protection for the electrical connection. Designed to hug the rail web tightly, track circuit lead fixings are at 76mm centres and designed for use with the rail industry standard taper pins. The track circuit leads have twin connections, providing fail safe, long term reliability. A 100% test regime is rigorously employed and every lead is electrically tested in our factory.

All products can be supplied in non-standard, project specified lengths if required. Please contact us for more detail.

Specification and approvals

Prysmian Track Circuit Cable Assemblies comply with the design and performance requirements of the Network Rail standard GK/RT 0301 (where applicable).

Cables:

- C1 and E1 type cables comply with RT/E/PS/00005
- 35mm² CSP sheathed cable complies with BS 7919
- 70mm² CSP sheathed cable complies with BS 638

Technical Data

End Type	
End type A	Moulded 2 hole (L bracket) 2 x 7mm Ø
End type B	Moulded single hole
End type C	Heatshrink lug std
End type D	Heatshrink lug Waterblocked
End type E	Free end

TRACK CIRCUIT LEADS										
Type	Conductor CSA	Cable Type	Strands (Qty/CSA)	Cable Colour	Length (m)	End Type 1	End Type 2	Single Hole Ø (mm)	Prysmian Part No.	PADS Cat. Number
2.5mm ²										
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	0.85	-	-	-	W91910201	086/044037
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	1.2	-	-	-	W91910302	086/044038
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	3.0	A	E	-	W91600302	086/044022
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	4.5	A	E	-	W91600506	086/044023
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	6.5	A	E	-	W91600705	084/044024
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	8.0	A	E	-	W91600807	086/044025
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	9.5	A	E	-	W91601019	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	10.0	A	E	-	W91601009	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	12.0	A	E	-	W91601233	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	15.0	A	E	-	W91601510	086/044031
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	16.0	A	E	-	W91601614	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	17.5	A	E	-	W91601820	086/044029
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	20.0	A	E	-	W91602012	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	25.0	A	E	-	W91602529	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	30.0	A	E	-	W91603008	086/044026
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	32.0	A	E	-	W91603213	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	35.0	A	E	-	W91603534	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	45.0	A	E	-	W91604524	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	50.0	A	E	-	W91605015	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	55.0	A	E	-	W91605530	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	60.0	A	E	-	W91606031	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	75.0	A	E	-	W91607532	-
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	80.0	A	E	-	W91608016	-
Single Ended	2.5mm ²	E1 LSOH	50/0.25	Black	4.5	A	E	-	W91600517	-
Single Ended	2.5mm ²	E1 LSOH	50/0.25	Black	6.5	A	E	-	W91600721	-
Single Ended	2.5mm ²	E1 LSOH	50/0.25	Black	8.0	A	E	-	W91600822	-
Single Ended	2.5mm ²	E1 LSOH	50/0.25	Black	9.5	A	E	-	W91601018	-
Single Ended	2.5mm ²	E1 LSOH	50/0.25	Black	30.0	A	E	-	W91603023	-
35mm ²										
Double Ended	35mm ²	CSP Sheath Cable		Black	0.5	A	C	10	W91610110	086/044112
Double Ended	35mm ²	CSP Sheath Cable		Black	1.2	A	C	10	W91610101	086/044103
Double Ended	35mm ²	CSP Sheath Cable		Black	1.2	D	D	10	93370101	086/046979
Double Ended	35mm ²	CSP Sheath Cable		Black	1.5	D	D	10/12	93360202	086/046920
Double Ended	35mm ²	CSP Sheath Cable		Black	1.7	A	C	10	W91610207	086/044040
Double Ended	35mm ²	CSP Sheath Cable		Black	2.1	D	D	10/12	93360201	086/46922
Double Ended	35mm ²	CSP Sheath Cable		Black	2.1	D	D	10	93370202	086/046997
Double Ended	35mm ²	CSP Sheath Cable		Black	2.8	D	D	10/12	93360303	086/046921
Double Ended	35mm ²	CSP Sheath Cable		Black	2.9	A	C	10	W91610308	086/044041
Double Ended	35mm ²	CSP Sheath Cable		Black	3.0	A	C	10	W91610303	086/044102
Single Ended	35mm ²	CSP Sheath Cable		Black	3.0	A	E	-	W91620301	086/044155
Single Ended	35mm ²	CSP Sheath Cable		Black	4.5	A	E	-	W91620402	086/044154
Single Ended	35mm ²	CSP Sheath Cable		Black	6.5	A	E	-	W91620603	086/044153
Single Ended	35mm ²	CSP Sheath Cable		Black	8.0	A	E	-	W91620804	086/044152
Single Ended	35mm ²	CSP Sheath Cable		Black	30.0	A	E	-	W91623005	086/044151
Single Ended	35mm ²	CSP Sheath Cable		Black	40.0	A	E	-	W91624006	-

TRACK CIRCUIT LEADS										
Type	Conductor CSA	Cable Type	Strands (Qty/CSA)	Cable Colour	Length (m)	End Type 1	End Type 2	Hole Ø (mm)	Prysmian Part No.	PADS Cat. Number
70mm ²										
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	3.0	A	C	10	W91610351	086/44101
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	4.8	A	C	10	W91610552	086/44100
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	4.4	C	D	10	93300301	086/10061
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	4.7	C	D	10	93300502	086/10062
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	11.4	C	D	10	93301003	086/10063
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	11.7	C	D	10	93301204	086/10064
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	3.2	C	D	10/12	93320301	086/46975
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	4.5	C	D	10/12	93320402	086/46976
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	3.2	A	C	10	93340301	086/46898
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	4.6	A	C	10	93340502	086/46899
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	10.2	A	C	10	93341003	086/46900
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	11.6	A	C	10	93341204	086/46901
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	10.2	C	D	10/12	93321003	086/46977
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	11.5	C	D	10/12	93321204	086/46978
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	10.0	A	C	10	W91611056	086/010059
Double Ended	70mm ²	CSP Sheath Cable	-	Orange	11.8	A	C	10	W91611257	086/010060
RAIL BONDING STUD CONNECTION LEADS										
Type	Conductor CSA	Cable Type	Strands (Qty/CSA)	Cable Colour	Length (m)	End Type 1	End Type 2	Hole Ø (mm)	Prysmian Part No.	PADS Cat. Number
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	3.0	B	E	13	W91710301	086/044042
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	4.5	B	E	13	W91710402	086/044043
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	6.5	B	E	13	W91710603	086/044044
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	8.0	B	E	13	W91710804	086/044045
Single Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	30.0	B	E	13	W91713005	086/044046
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	0.9	B	B	13	W91720101	086/044048
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	1.2	B	B	13	W91720102	086/044049
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	1.6	B	B	13	W91720203	086/044047
Double Ended	2.5mm ²	C1 Neoprene	50/0.25	Black	3.0	B	B	13	W91720304	086/044039
TRACK CIRCUIT RAIL FASTENING KITS										
Type	Type	Notes							Prysmian Part No.	PADS Cat. Number
Kit 1	2.5mm ²	Includes clip, taper pins & fasteners for 2.5mm ² cable							W49980043	086/44017
Kit 2	2.5mm ²	Includes taper pins & fasteners for 2.5mm ² cable							W49980060	-
Kit 3	3.5mm ² cable & 70mm ²	Includes clip, taper pins & fasteners for 3.5mm ² cable & 70mm ² cable							W49980064	-