

# Flexo

### Design



### Quality Assurance

### Applications

### Approvals

### Reputation

- > Flexo detection system cable assemblies offer a fast fit, pre-terminated connection, for trackside detection systems (such as clamplock point detectors).
- > Factory moulded palms at one or both ends of the cable.
- > Key benefits are speed, reliability and high quality.
- > Nickel plated, brass eyelets are terminated to each core and encapsulated in neoprene, ensuring good electrical connection and resistance to corrosion.
- > The neoprene moulding is fully vulcanised to the cable sheath providing a waterproof seal with excellent strain relief.
- > Excellent inherent flexibility enables mouldings to pass through restrictions such as glands.
- > Excellent resistance to vibration degradation.
- > Low smoke, zero halogen cable option available.
- > A 100% testing regime is rigorously employed. Every lead is electrically tested at the factory for voltage withstand, insulation resistance and correct continuity.
- > The moulding is designed to fit the mating assembly one way only - eliminating the possibility of an incorrect on site installation.
- > Clamplock detector:
  - Catered for with the 4 core, 2.5mm<sup>2</sup> C2 type leads
- > 12 Core Signalling Systems:
  - Catered for with the 12 core, 2.5mm<sup>2</sup> C2 type leads
- > Level Crossing Treadle Leads:
  - Catered for with the 7 core, 2.5mm<sup>2</sup> C2 type leads and 6 core CT451 cable (when supplied with SILEC connector)
- > Detection System Cable Assemblies comply with the design and performance requirements of Network Rail specification BR1974 (where applicable).
- > Cables:
  - C2 cables comply with RT/E/PS/00005
  - Cables supplied with SILEC connectors comply with CT451 (France)
- > With origins stretching back over 100 years, Prysmian has an enviable reputation for product quality and innovation design.
- > Prysmian Components manufactures and supplies to accredited Business Management Systems BS EN 9001 and 14001 and is certified to OHSAS 18001.

# Detection System Cable Assemblies

## Selection Tables

### Clamplock Detector Lead, 2.5mm<sup>2</sup>, (50/0.25), 4 core, C2 neoprene cable, double ended

| Prysmian Catalogue Number | RI Catalogue Number | Length (m) |
|---------------------------|---------------------|------------|
| W7 2299 03 01             | 88/2444             | 2.3        |
| W7 2299 04 02             | 88/2445             | 3.3        |
| W7 2299 04 03             | 88/2446             | 4.2        |
| W7 2299 08 06             | 88/2454             | 7.8        |
| W7 2299 12 11             | -                   | 12         |
| W7 2299 10 07             | 88/2456             | 10         |
| W7 2299 15 08             | 88/2455             | 15         |
| W7 2299 25 12             | -                   | 25         |

### 12 Core Signalling Cable with moulded termination, 2.5mm<sup>2</sup> (50/0.25), single ended, C2 neoprene cable

| Prysmian Catalogue Number | RI Catalogue Number | Length (m) |
|---------------------------|---------------------|------------|
| W7 2295 05 01             | 88/2443             | 5          |
| W7 2295 10 02             | 88/2442             | 10         |
| W7 2295 15 03             | 88/2441             | 15         |
| W7 2295 20 04             | 88/2440             | 20         |

### Level Crossing Treadle Leads, 2.5mm<sup>2</sup> (50/0.25), 7 core, single ended, C2 neoprene cable

| Prysmian Catalogue Number | RI Catalogue Number | Length (m) |
|---------------------------|---------------------|------------|
| W7 2297 03 01             | 86/44108            | 3          |
| W7 2297 05 02             | 86/44109            | 4.5        |
| W7 2297 07 03             | 86/44110            | 6.5        |
| W7 2297 08 04             | 86/44111            | 8          |

### Level Crossing Treadle Leads, 6 core, complete with SILEC connector

| Prysmian Catalogue Number | RI Catalogue Number | Length (m) |
|---------------------------|---------------------|------------|
| W7 2298 03 02             | 86/44104            | 3          |
| W7 2298 05 03             | 86/44105            | 4.5        |
| W7 2298 07 04             | 86/44106            | 6.5        |
| W7 2298 08 05             | 86/44107            | 8          |