

Loop Detector Cable BS6500,BS6195, EPR, PCP - 1.5mm² to 2.5mm²



Description

Loop detector cable is used to measure traffic flow. It is installed underneath the road in loops which are triggered when vehicles disturb the magnetic field by driving over them. They are used to connect traffic safety cameras and also traffic control systems. This cable is robust enough to be installed underground and in hostile environments.

Key Features



Voltage Rating
600/1000 Volts



Minimum Bending Radius
6 x overall diameter



Temperature Limits
Temperature Range: -30°C to +85°C

Standards

- Generally to BS6500
- BS6195
- Highways Agency TR2029

Construction

- **Conductor:** Class 5 tinned copper
- **Insulation:** EPR (Ethylene Propylene Rubber)
- **Outer Sheath:** Polychloroprene Rubber (CR)
- **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

Loop Detector Cable BS6500,BS6195, EPR, PCP - 1.5mm² to 2.5mm² - Dimensions

| Reference | Conductor Size (mm ²) | No Of Cores | Stranding(mm) | Overall Diameter(mm) | Weight(Kg/Km) | Gland Size |
|-----------|-----------------------------------|-------------|---------------|----------------------|---------------|------------|
| LOOP1/5 | 1.5 | 1 | 30/0.25 | 7 | 53.8 | 20S |
| LOOP2/5 | 2.5 | 1 | 50/0.25 | 7.9 | 64 | 20S |

TRAFFIC CABLE – ELECTRICAL PROPERTIES

| CABLE TYPE | NOMINAL CROSS SECTIONAL AREA | NUMBER OF CORES | MAXIMUM CONDUCTOR RESISTANCE AT 20°C | CURRENT CARRYING CAPACITY | | VOLTAGE DROP |
|--------------------------|------------------------------|-----------------|--------------------------------------|---------------------------|---------------|--------------|
| | | | | IN AIR | DIRECT BURIAL | |
| | mm ² | | Ω/KM | (AMPS) | (AMPS) | MV/AM |
| BS6346 PVC TRAFFIC CABLE | 1 | 8 | 18.10 | 12.00 | 10.50 | 38 |
| BS6346 PVC TRAFFIC CABLE | 1 | 12 | 18.10 | 10.00 | 8.70 | 38 |
| BS6346 PVC TRAFFIC CABLE | 1 | 16 | 18.10 | 9.00 | 8.00 | 38 |
| BS6346 PVC TRAFFIC CABLE | 1 | 20 | 18.10 | 8.00 | 7.10 | 38 |
| BS6346 PVC TRAFFIC CABLE | 1.5 | 8 | 12.10 | 15.00 | 13.50 | 25 |
| BS6346 PVC TRAFFIC CABLE | 1.5 | 12 | 12.10 | 13.00 | 11.70 | 25 |
| BS6346 PVC TRAFFIC CABLE | 1.5 | 16 | 12.10 | 11.00 | 10.00 | 25 |
| BS6346 PVC TRAFFIC CABLE | 1.5 | 20 | 12.10 | 10.00 | 9.10 | 25 |
| LOOP FEEDER CABLE | 1.5 | 2 | 12.10 | 10.00 | 9.00 | 38 |
| LOOP FEEDER CABLE | 1.5 | 4 | 12.10 | 11.00 | 10.00 | 38 |
| LOOP FEEDER CABLE | 2.5 | 2 | 13.42 | 31.00 | 26.00 | 27 |
| LOOP FEEDER CABLE | 2.5 | 4 | 13.42 | 28.00 | 23.00 | 27 |
| LOOP DETECTOR CABLE | 1.5 | 1 | 12.10 | 14.50 | 20.00 | 29 |
| LOOP DETECTOR CABLE | 2.5 | 1 | 18.10 | 20.00 | 27.00 | 18 |

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.