CLEVELAND CABLE COMPANY
A WORLD POWER IN CABLE SUPPLY

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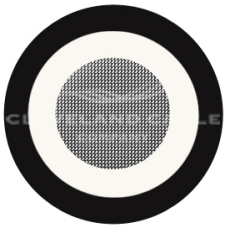
BS 6195 LOOP DETECTOR CABLE



APPLICATION

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.

CABLE STANDARDS

BS6195

Generally to BS6500

Highways Agency TR2029

CONSTRUCTION

Conductor: Class 5 Tinned Annealed Flexible Copper Conductor

Insulation: Ethylene Propylene Rubber (EPR)

Sheath: Polychloroprene (PCP)

Sheath Colour: ■ Black

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Limits: -30°C to +85°C

Minimum Bending Radius: As per cable manufacturer datasheet

Should not be installed at temperatures below -25°C

BS 6195 LOOP DETECTOR-DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	STRANDING (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER	GLAND SIZE
LOOP1/5	1.5	30/.025	1	53.8	7	20S
LOOP2/5	2.5	50/0.25	1	64	7.9	20S

BS 6195 LOOP DETECTOR CABLE – ELECTRICAL CHARACTERISTICS

NUMBER OF CORES	CONDUCTOR SIZE (MM^2)	MAXIMUM CONDUCTOR RESISTANCE AT 20°C OHMS/KM	CURRENT CARRYING CAPACITY		VOLTAGE DROP MV/A/M
			IN AIR (AMPS)	DIRECT BURIAL (AMPS)	
1	1.5	12.1	14.5	20	29
1	2.5	18.1	20	27	18

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS