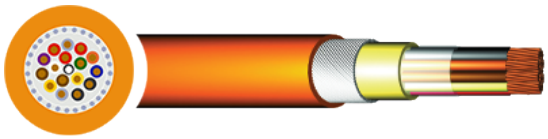
BS6346/87 Armoured Traffic Signal Cable - 1mm² to 1.5mm²



Description

Armoured PVC traffic signal cable, used to connect traffic signal equipment or in other applications that require high core configurations with tough mechanical robustness.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
10 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature Range: -15°C to + 70°C

Core Colours

4 Core: Red | Blue | Yellow | Green

8 Core: Brown | Yellow | Green \ Blue | Red | White | Blue
Black | Orange

12 Core: Brown | Yellow | Green \ Blue | Red | White | Blue
Black | Orange | Red \ White | Grey | Red \ Blue | Violet

16 Core: Brown | Yellow | Green \ Blue | Red | White | Blue
Black | Orange | Red \ White | Grey | Red \ Blue | Violet
Brown \ Red | Yellow \ Red | Grey \ Red | Black \ Red

20 Core: Brown | Yellow | Green \ Blue | Red | White | Blue
Black | Orange | Red \ White | Grey | Red \ Blue | Violet
Brown \ Red | Yellow \ Red | Grey \ Red | Black \ Red
Violet \ Red | Orange \ Red | Green \ Red | Blue \ White

Standards

- BS EN/IEC 60228
- BS EN/IEC 60332-1-2
- BS6346/87

Construction

- **Conductor**: Class 1 solid copper
- **Insulation**: Polyvinyl Chloride (PVC)
- **Bedding**: Polyvinyl Chloride (PVC)
- **Armour**: Steel Wire Armour (SWA)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Orange

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

BS6346/87 Armoured Traffic Signal Cable - 1mm² to 1.5mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Gland Size
TRAF4X1	1	4	1/1.13	13	325	20S
TRAF8X1ESWA	1	8	1/1.13	16.3	533	20
TRAF8X1	1	8	1/1.13	3	413	20S
TRAF12X1R250	1	12	1/1.13	15.6	567	20
TRAF16X1R250	1	16	1/1.13	17.9	774	20
TRAF20X1R250	1	20	1/1.13	19.9	905	25
TRAF4X1/5	1.5	4	1/1.38	12.5	363	20S
TRAF8X1/5	1.5	8	1/1.38	15.8	534	20
TRAF12X1/5R250	1.5	12	1/1.38	18.5	704	20
TRAF16X1/5R250	1.5	16	1/1.38	20	836	20
TRAF20X1/5R250	1.5	20	1/1.38	21.5	1040	25
TRAF12X1E	1C+E	12	1/1.13	15.5	785	25

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/A/M
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