

# LOOP Cable, 0.5mm<sup>2</sup> TO 2.50mm<sup>2</sup>



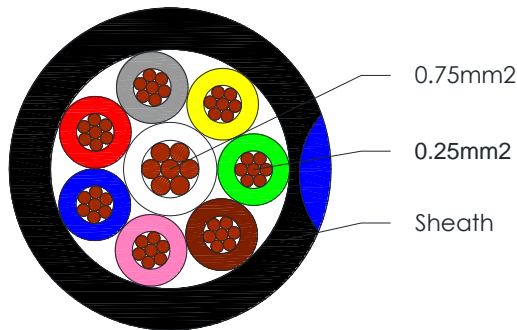
## Plenum Grade Sheath

C8801, C8802, C8803, C8804

### Applications

The Loop Cable is a cable with a variable resistance to the induction loop. It can be installed through a floor, a wall, or ceiling. Composed of a conductor of 0.75 mm<sup>2</sup> and 7 conductors of 0.25mm<sup>2</sup>, it allows you a variation between 0.50 and 2.50 mm<sup>2</sup>. The Loop Cable can be adapted with every induction loop.

### Cross Section Drawing



### Design

Unit	Properties
Conductor	N x Bare Copper wire
Insulation	PVC Colour: Grey, Red, Yellow, White, Pink, Blue, Brown, Green
Sheath	Plenum Grade Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black with blue edging for identification
Standard Put Up Length	305 meters

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

# LOOP Cable, 0.5mm<sup>2</sup> TO 2.50mm<sup>2</sup>

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### Physical Characteristics

Part Number	C8801	C8802	C8803	C8804
Cross section	0.5 mm <sup>2</sup>	1.00 mm <sup>2</sup>	1.50 mm <sup>2</sup>	2.50 mm <sup>2</sup>
No of cores	2*0.25mm <sup>2</sup>	1*0.75mm <sup>2</sup> + 1*0.25mm <sup>2</sup>	1*0.75mm <sup>2</sup> + 3*0.25mm <sup>2</sup>	1*0.75mm <sup>2</sup> + 7*0.25mm <sup>2</sup>
Nom. Overall Diameter(mm)	3.90	4.50	5.30	6.0
Length of the wire Min. (m)	22	38	70	140
Length of the wire Max. (m)	80	170	250	400
Operating temperature (°C)	-30 to +80			
Bend Radius	7 x cable diameter – fixe post 12 x cable diameter – mobile post			

### Electrical Characteristics at 20°C

Maximum Operating Voltage (V)	Test Voltage (50Hz-1Min) (V)	Insulation Resistance to 20°C (M.Ω *km)	Capacitance (pF/m)	Inductance (Mh/km)
300/400	1500	200	120	0.75

### Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives