

# Audio Control & Instrumentation Cable, 2C to 12C, 24AWG Overall Screen, PVC Plenum Rated Sheath

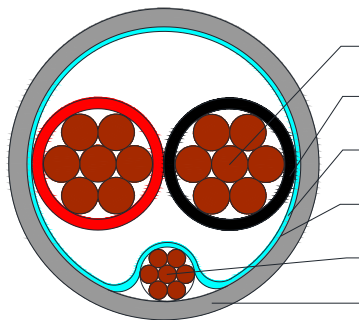


C8805, C8806, C8807, C8808, C8809, C8810

## Applications

Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Rip Cord
- Drain Wire
- Sheath



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 24AWG flexible
Insulation	PVC Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan
Cabling	Cores cabled/twisted together
Drain Wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip Cord	Nylon Yarn
Sheath Material	Plenum Grade Flame-Retardant Polyvinyl Chloride (PVC) Standard Colour: Grey
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.

# Audio Control & Instrumentation Cable, 2C to 12C, 24AWG Overall Screen, PVC Plenum Rated Sheath



C8805, C8806, C8807, C8808, C8809, C8810

## Physical Characteristics

Part Number	C8805	C8806	C8807	C8808	C8809	C8810
No of cores x 24AWG (7 x 32)	2	3	4	6	8	12
Nom. Diameter Conductor (mm)	0.60					
Nom. Radial Thickness Insulation (mm)	0.30					
Nom. Radial Thickness Sheath (mm)	0.65					
Nom. Overall Diameter (mm)	3.8	4.0	4.3	5.0	5.4	6.4
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	50	75	100	150	200	300
Min. Bend Radius (install) (mm)	38	40	43	50	54	64
Nominal Cable Weight (kg/km)	17.1	20.8	24.5	32.3	39.2	53.7

## Electrical Characteristics

Part Number	C8805	C8806	C8807	C8808	C8809	C8810
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor ( $\Omega$ /km)	88					
Max. DC Resistance Screen ( $\Omega$ /km)	78.5					
Capacitance conductor to conductor (pF/m)	115	110	110	105	100	100
Capacitance conductor to rest (pF/m)	200	200	200	185	185	185
Nominal Inductance ( $\mu$ H/m)	0.5					
Max. Recom. Current @ 25°C (Amps)	2.6	2.6	2.05	1.75	1.75	1.75
Max. Operating Voltage (Vrms)	300					

## Reference Standards

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