

# Audio Control & Instrumentation Cable, 2C to 20C, 20AWG, Unscreened & PVC Sheath

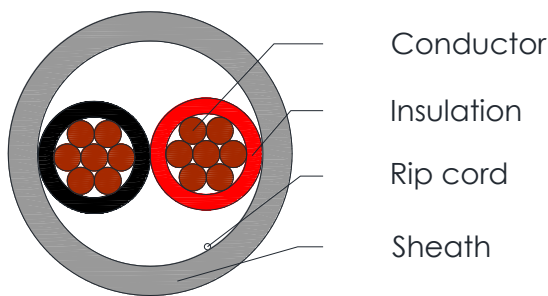


C1020, C1022, C1024, C1261, C1263, C4502, C4503, C4504, C4505

## Applications

Unscreened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS) . UL listed E486876.

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 20AWG flexible
Insulation	Polyolefin 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 Black Color with white number identification for cores more than 12
Rip cord	Nylon yarn
Sheath	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.

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## Physical Characteristics

Part Number	C1020	C1022	C1024	C1261	C1263	C4502	C4503	C4504	C4505
No of cores x 20AWG (7 x 28)	2	3	4	6	8	10	12	18	20
Nom. Diameter Conductor(mm)	1.0								
Nom. Radial Thickness Insulation(mm)	0.2								
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Nom. Overall Diameter(mm)	3.4	3.6	4.0	4.9	5.3	6.2	6.4	7.7	7.9
Operating Temperature (°C)	-25 to +75								
Max. Recommended Pulling Tension (N)	112	168	224	336	448	560	672	1008	1120
Min. Bend Radius (install)(mm)	34	36	40	49	53	62	64	77	79
Nominal Cable Weight (kg/km)	19.7	6.2	33.1	47.9	60.6	66.0	77.6	116.5	128.2

## Electrical Characteristics at 20°C

Part Number	C1020	C1022	C1024	C1261	C1263	C4502	C4503	C4504	C4505
No of cores x 20AWG (7 x 28)	2	3	4	6	8	10	12	18	20
Max. DC Resistance Conductor ( $\Omega$ /km)	35.75								
Capacitance conductor to conductor (pF/m)	46	47	47	45	45	45	45	45	45
Nominal Inductance ( $\mu$ H/m)	0.5								
Max. Recommended Current at 25°C (Amps)	3.75	3.75	3	2.6	2.6	2.6	2.6	2.6	2.6
Max. Operating Voltage (Vrms)	300								

## Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
RoHS directives