

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



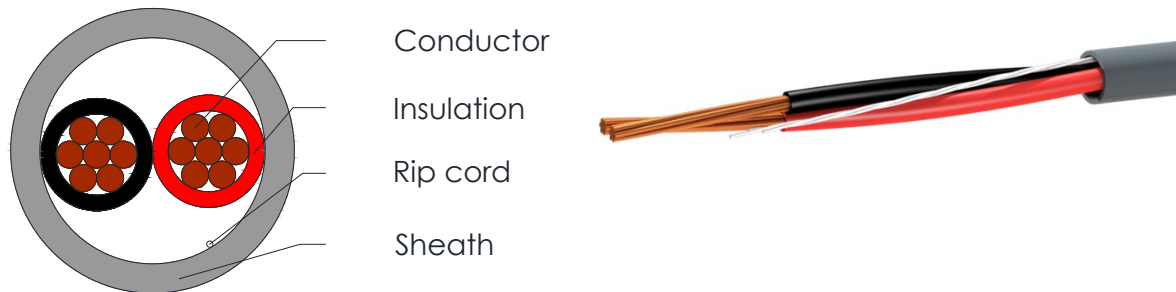
Plenum Grade Sheath

C8020, C8022, C8024, C8261, C8263, C8502, C8503, C8504, C8505

Applications

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

Cross Section Drawing



Design

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

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Physical Characteristics

Part Number	C8020	C8022	C8024	C8261	C8263	C8502	C8503	C8504	C8505
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)	0.30								
Nom. Radial Thickness Sheath(mm)	0.65								
Nom. Overall Diameter(mm)	4.4	4.6	5.0	5.9	6.3	7.4	7.6	9.0	9.2
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)	44	46	50	59	63	74	76	90	92
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	C8020	C8022	C8024	C8261	C8263	C8502	C8503	C8504	C8505
No of cores x 20AWG (7 x 28)	2	3	4	6	8	10	12	18	20
Max. DC Resistance Conductor (Ω /km)	35.75								
Capacitance conductor to conductor (pF/m)	46	47	47	45	45	45	45	45	45
Nominal Inductance (μ 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
NFC 725.154(A), ANSI/NFPA 262
RoHS directives