

# Audio Control & Instrumentation Cable for outdoor application, 2C to 14C, 18AWG Overall Screen, PE Sheath

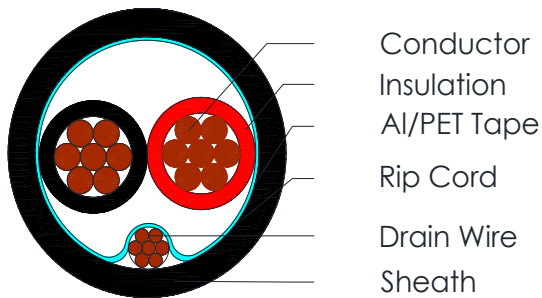


C5137, C5138, C5139, C5140, C5141, C5142, C5143

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 18AWG flexible
Insulation	HFFR/LSZH 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 continuous number identification for cores more than 12
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	24 AWG (7 x 32) Tinned Copper
Sheath Material	UV Resistant Low Density Polyethylene (LDPE) Standard colour: Black
Rip Cord	Nylon Yarn
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	C5137	C5138	C5139	C5140	C5141	C5142	C5143
No of cores x 18AWG (7 x 26)	2	3	4	6	8	12	14
Nom. Diameter Conductor (mm)	1.2						
Nom. Radial Thickness Insulation (mm)	0.25						
Nom. Radial Thickness Sheath (mm)	0.8						
Nom. Overall Diameter (mm)	5.1	5.4	5.8	6.8	7.3	8.8	9.2
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	200	299	399	600	797	1195	1390
Min. Bend Radius (install) (mm)	61	65	70	82	88	106	110
Nominal Cable Weight (kg/km)	33.6	44.2	54.3	76.0	96.0	142.8	162.6

**Electrical Characteristics**

Part Number	C5137	C5138	C5139	C5140	C5141	C5142	C5143
No of cores x 18AWG (7 x 26)	2	3	4	6	8	12	14
Max. DC Resistance Conductor (Ω/km)	22.7						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance conductor to conductor (pF/m)	150	150	150	140	135	125	125
Capacitance conductor to rest (pF/m)	288	282	270	253	240	220	220
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300						

**Reference Standards**

(BS) EN 50290-2
IEC 60228
RoHS directives