

Audio, Control & Instrumentation Cable

2 to 12pr, 1.05QMM PE Insulated Overall Screened – PVC Sheath

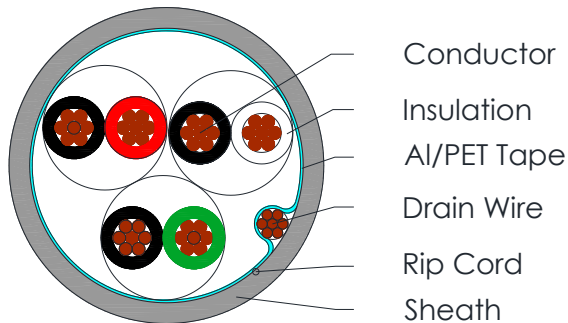


C4517, C4518, C4519, C4520, C4521, C4522, C4523, C4524, C4525, C4526

Applications

Overall screened paired cables suitable for Security and Alarm systems, Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Bare Copper wires
Insulation	Polyethylene Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown Pair 7: Black/Orange Pair 8: Black/Purple Pair 9: Black/Grey Pair 10: Black/Pink Pair 11: Black/Tan Pair 12: Black/Turquoise
Pair	two twisted wires
Cable Core	N pairs stranded
Drain Wire	Tinned Copper Wire
Overall Screen	Aluminium/Polyester foil
Rip Cord	Nylon Yarn
Sheath Material	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	C4517	C4518	C4519	C4520	C4521	C4522	C4523	C4524	C4525	C4526
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Diameter Conductor (mm ²)	1.0									
Nom. Radial Thickness Insulation (mm)	0.20									
Drain wire size (AWG)	24AWG (7 x32)									
Coverage of screen (%)	115									
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8
Nom. Overall Diameter (mm)	6.9	7.6	8.6	9.4	10.3	10.6	11.6	12.8	13.8	14.3
Operating Temperature (°C)	-25°C to +75°C									
Max. Recommended Pulling Tension (N)	400	575	735	995	1154	1387	1594	1810	2015	2375
Min. Bend Radius (install) (mm)	69	76	86	94	103	106	116	128	138	143
Nominal Cable Weight (kg/km)	52	71	89	113	136	155	182	205	226	261

Electrical Characteristics

Part Number	C4517	C4518	C4519	C4520	C4521	C4522	C4523	C4524	C4525	C4526
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	18.2									
Max. Screen Resistance (Ohm/km)	78.5									
Capacitance cond to cond (pF/m)	75	75	75	70	70	70	70	70	70	70
Capacitance Cond to rest (pF/m)	145	145	145	140	140	140	130	130	130	130
Max. Current at 25°C (Amps)	4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Operating Voltage (Vrms)	300									

Reference Standards

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