

Audio Control & Instrumentation Cable

2 to 6pr, 22AWG, Individual Screened, HFFR Sheath

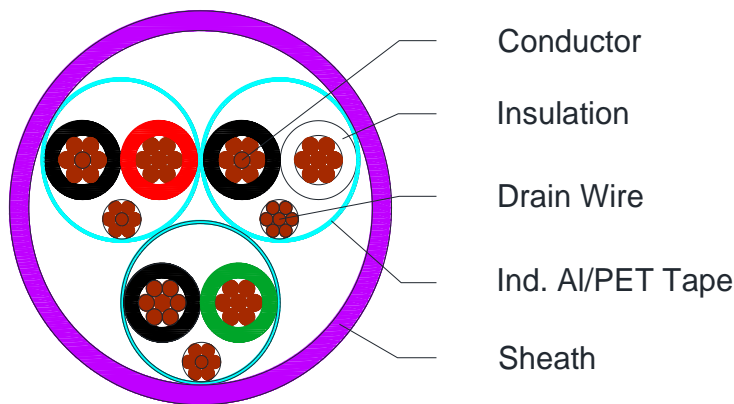


C1281, C1282, C1498, C1499, C1314

Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wires, Flexible
Insulation	HFFR Pair 1: Black/Red Pair 2: Black/White (Green/White for C1281) Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown
Pair	Two wires twisted together
Drain Wire	Tinned Copper
Screen	Each pair individually screened with an Aluminium/Polyester foil tape
Sheath Material	HFFR (Halogen Free, Flame Retardant) Standard colour: Purple
Standard Put Up Length	305 or 500 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	C1281	C1282	C1498	C1499	C1314
Number of pairs	2	3	4	5	6
Conductor size (AWG)	22 (7 x 30)				
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Drain wire size (AWG)	24 (7 x 32)				
Screen Coverage (%)	115				
Nom. Radial Thickness Sheath (mm)	0.8				
Nom. Overall Diameter (mm)	6.5	7.0	7.5	8.2	9.5
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	185	240	320	400	480
Min. Bend Radius (install) (mm)	65	70	75	82	95
Weight (kg/km)	50.8	67.4	75.7	87.7	115.6

Electrical Characteristics

Part Number	C1281	C1282	C1498	C1499	C1314
Max. DC Resistance Conductor (Ω /km)	57.4				
Max. DC Resistance Screen (Ω /km)	78.6				
Capacitance conductor to conductor (pF/m)	170				
Capacitance cond. To other Cond.+screen (pF/m)	320				
Max. Recommended Current at 25°C (Amps)	2.3	2.3	2	2	2
Max. Operating Voltage (Vrms)	300				

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-3-24
IEC 61034, IEC 60754-1&-2
RoHS directives