

# Audio Control & Instrumentation Cable, 2PR 20AWG Individual screened with PVC or LSZH- HFFR Sheath

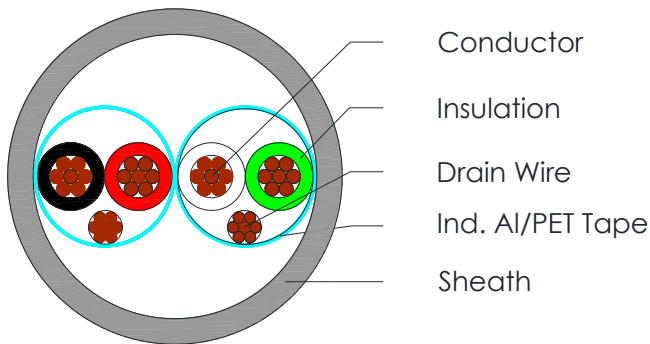


C1234, C1244

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Tinned Copper wire, 20AWG flexible
Insulation	SR-PVC or HFFR Pair 1: Black & Red Pair 2: Green & White
Individual shield over each pair	Aluminium/Polyester tape Coverage: 100%
	Tinned copper drain wire 22AWG
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey Or Halogen Free Flame-Retardant (LSZH-HFFR) Standard colour: Purple
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.

# Audio Control & Instrumentation Cable, 2PR 20AWG Individual screened with PVC or LSZH- HFFR Sheath



**C1234, C1244**

## Physical Characteristics

Part Number	C1234	C1244
No of Pairs	2	2
Conductor Size (AWG)	7 x28	7 x28
Nom. Radial Thickness Insulation(mm)	0.28	0.28
Insulation material	SRPVC	HFFR
Drain wire Size (AWG)	7 x30	7 x30
Nom. Radial Thickness Sheath(mm)	1.0	1.0
Nom. Overall Diameter(mm)	7.6	7.6
Sheath Material	PVC	HFFR
Operating Temperature (°C)	-20 to +80°C	-20 to +80°C
Max. Recommended Pulling Tension (N)	320	312
Min. Bend Radius (install)(mm)	76	76
Nominal Cable Weight (kg/km)	73	74

## Electrical Characteristics at 20°C

Part Number	C1234	C1244
Max. DC Resistance Conductor ( $\Omega$ /km)	30.5	30.5
Max. DC Resistance Rest ( $\Omega$ /km)	39.4	39.4
Capacitance conductor to conductor (pF/m)	180	220
Capacitance conductor to rest (pF/m)	312	375
Nominal Inductance ( $\mu$ H/m)	0.56	0.56
Max. Recommended Current at 25°C (Amps)	3.1	3.1
Max. Operating Voltage (Vrms)	300	300

## Reference Standards

(BS) EN 50290-2
(BS) EN 50288
IEC 60332-1 for PVC
IEC 60332-3-24 for HFFR
IEC 60754 for HFFR
IEC 61034 for HFFR
RoHS directives