

# Audio Control & Instrumentation Cable, 2C to 18C, 16AWG Unscreened, HFFR/LSZH Sheath

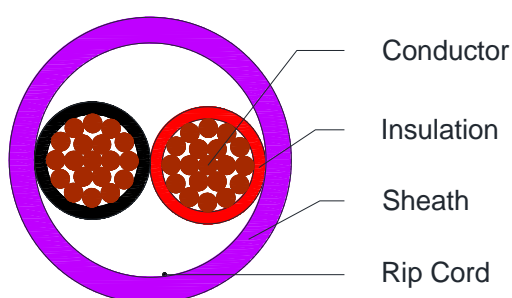


C5567, C5568, C5569, C5570, C5571, C5572, C5573, C5574, C5575, C5576, C5577

## Applications

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, 16AWG 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 number identification for cores more than 12
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) 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.

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HFFR/LSZH Sheath**



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**Physical Characteristics**

Part Number	C5567	C5568	C5569	C5570	C5571	C5572	C5573	C5574	C5575	C5576	C5577
No of cores x 16AWG (19 x 29)	2	3	4	5	6	7	8	9	10	12	18
Nom. Diameter Conductor (mm)	1.4										
Nom. Radial Thickness Insulation (mm)	0.60										
Nom. Radial Thickness Sheath(mm)	0.65										
Nom. Overall Diameter (mm)	6.0	6.9	7.5	8.3	8.8	9.1	9.8	10.9	11.2	12.1	14.3
Operating Temperature (°C)	-25 / +75										
Max. Recommended Pulling Tension (N)	280	410	540	800	1060	1236	1413	1590	1700	2040	3060
Min. Bend Radius (install) (mm)	60	69	75	83	88	91	98	109	112	121	143
Nominal Cable Weight (kg/km)	46.9	65.6	83.6	101.8	119.3	136.2	154.5	173.5	190.3	225.1	327.9

**Electrical Characteristics**

Part Number	C5567	C5568	C5569	C5570	C5571	C5572	C5573	C5574	C5575	C5576	C5577
No of cores x 16AWG (19 x 29)	2	3	4	5	6	7	8	9	10	12	18
Max. DC Resistance Conductor (Ω/km)	15.47										
Capacitance conductor to conductor (pF/m)	83	83	85	85	85	85	85	85	85	85	85
Nominal Inductance (μH/m)	0.5										
Max. Recom. Current @ 25°C (Amps)	6.25	6.25	5	4.35	4.35	4.35	4.35	4.35	4.0	4.0	4.0
Max. Operating Voltage (Vrms)	600/1000										

**Reference Standards**

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