



- Full Duplex Intercom
- Front to Cell Intercom
- Half Duplex Intercom
- Rugged Housing
- Other configurable audio options available

This intercom has been designed using the latest CAD software and using quality components and is housed in a rugged aluminum case which is supplied with mounting brackets for a more secure fixing to the vehicle. The intercom has standard Molex connectors to allow easy connection to the unit, and to allow easy cable replacements. All our intercom systems can come as a kit with all cables, speakers and microphones for a hassle free installation. Custom interface panels can also be manufactured to your requirements with optional speakers available. Please contact us to discuss.

This intercom operates in full duplex mode that allows simultaneous communication between the front and rear of a vehicle via a PTT function. At the flick of a switch this intercom can stop using both PTT buttons allowing simultaneous communication without the need of the PTT button.

OTHER OPTIONS FOR MODES OF OPERATION

Part No 0600-504 FULL DUPLEX INTERCOM WITH ON OFF SWITCH

Allows simultaneous communication between 2 users with a PTT function. An Intercom mode switch is supplied to allow the intercom to be used without the need of a PTT button. An on/off switch is also supplied for when the intercom is not used.

Part No 0600-501 FRONT TO REAR CELL INTERCOM

User in the front of a vehicle can permanently listen to the rear of the vehicle, but has the option of talking back using the PTT. Ideal for the safe monitoring of cells in the rear of a police vehicle.

Part No 0600-502 HALF DUPLEX INTERCOM

Half Duplex PTT intercom system which can be used in many different vehicles where excellent communication is required between users i.e. Taxi, Limousines, Ambulances, Police vehicles etc.

Sure Antennas. 6 Woodway Court, Thursby Rd,
Bromborough International Business Park, Wirral, Merseyside CH62 3PR

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Technical Specifications

Part No	0600-504
Electrical Data	
Voltage (V)	13.8V
Quiescent Current (A)	0.1
Max Current (A)	1
Audio Output Power (W)	14W
Crosstalk (dB)	60
Impedance (Ω)	Between 2–8 Ohms (Normally 4 Ohms)
Distortion	Po = 0.1 to 2W Max. 0.2 %
Mechanical Data	
Dimensions (mm)	H45xW140xL85
Operating Temp (°C)	-40 / +80°C (-40° / 176°F)
Material	Aluminium
Colour	Natural
Weight (g)	900
Mounting Data	
Mounting Type	Panel Mount

Subject to change without prior notice.

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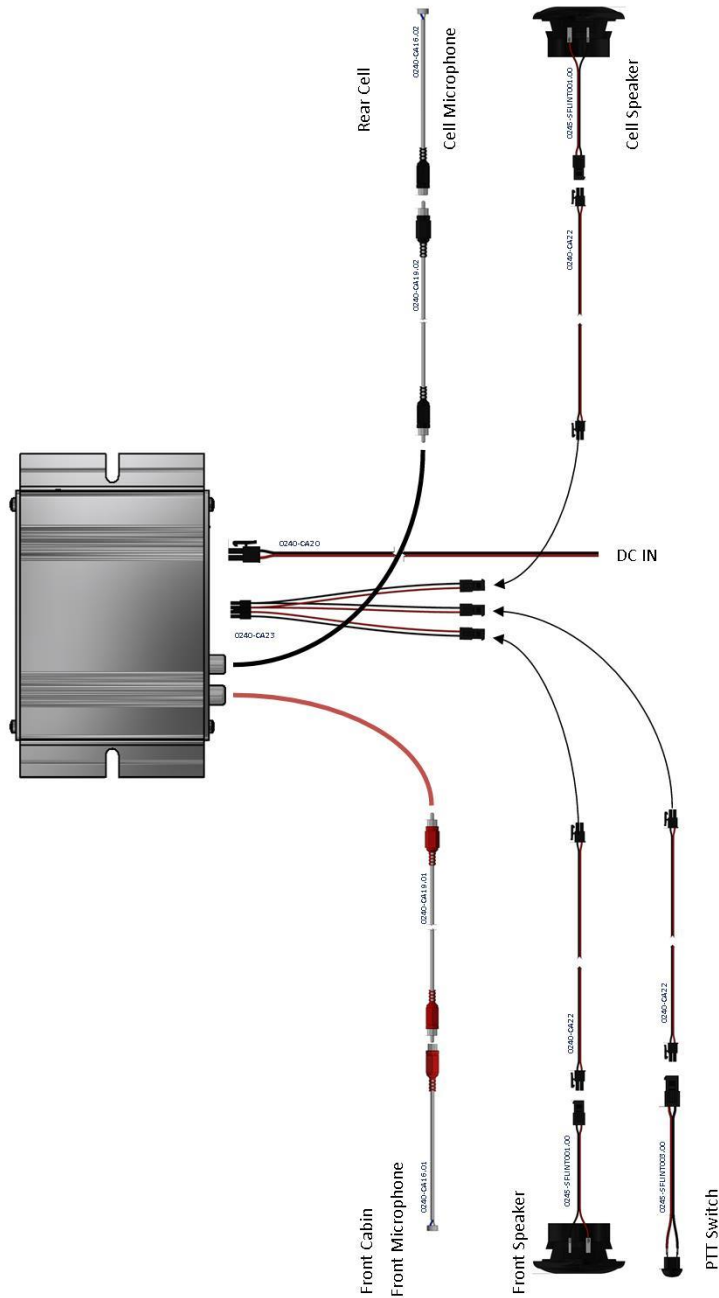
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MOBILE RADIO



Part No 0600-501 FRONT TO REAR CELL INTERCOM



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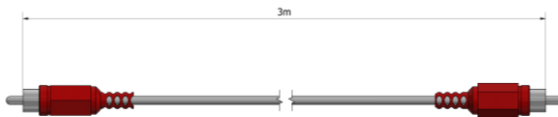


0240-CA016.01 – Intercom Microphone Red**Electrical Specifications**

Directivity : Omni directional
 Standard operating voltage : 1.5V
 Maximum operating voltage : 10V
 Maximum current consumption : 0.5mA
 Output impedance (F = 1KHz 1Pa) : < 2.2KΩ
 Frequency : 50 to 16,000Hz
 Sensitivity (at F = 1KHz, 0dB = 1V/Pa) : -41 ± 3dB
 Signal to noise ratio (F = 1KHz 1Pa) weighted : > 60dB

0240-CA016.02 – Intercom Microphone Black**Electrical Specifications**

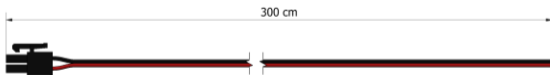
Connector : RCA
 Directivity : Omni directional
 Standard operating voltage : 1.5V
 Maximum operating voltage : 10V
 Maximum current consumption : 0.5mA
 Output impedance (F = 1KHz 1Pa) : < 2.2KΩ
 Frequency : 50 to 16,000Hz
 Sensitivity (at F = 1KHz, 0dB = 1V/Pa) : -41 ± 3dB
 Signal to noise ratio (F = 1KHz 1Pa) weighted : > 60dB

0240-CA019.01 – RCA Extension 3m Red**Electrical Specifications**

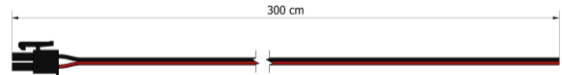
Connector : RCA MALE
 Material : PVC(S60)
 Color : BLACK
 Diameter/Thickness: 5.0±0.20mm / 1.63±0.10mm

0240-CA019.02 – RCA Extension 3m Black**Electrical Specifications**

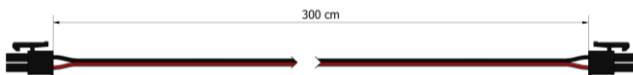
Connector : RCA MALE
 Material : PVC(S60)
 Color : BLACK
 Diameter/Thickness: 5.0±0.20mm / 1.63±0.10mm

0240-CA020 – Intercom Power Lead 3m**Electrical Specifications**

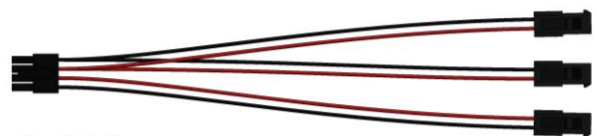
Connector : Molex MiniFit
 Material : PVC(S60)
 Color : BLACK/RED
 Current Rating: 5A

0240-CA021 – Intercom PTT Lead no Switch 3m**Electrical Specifications**

Connector : Molex MiniFit
 Material : PVC(S60)
 Color : BLACK/RED
 Current Rating: 5A

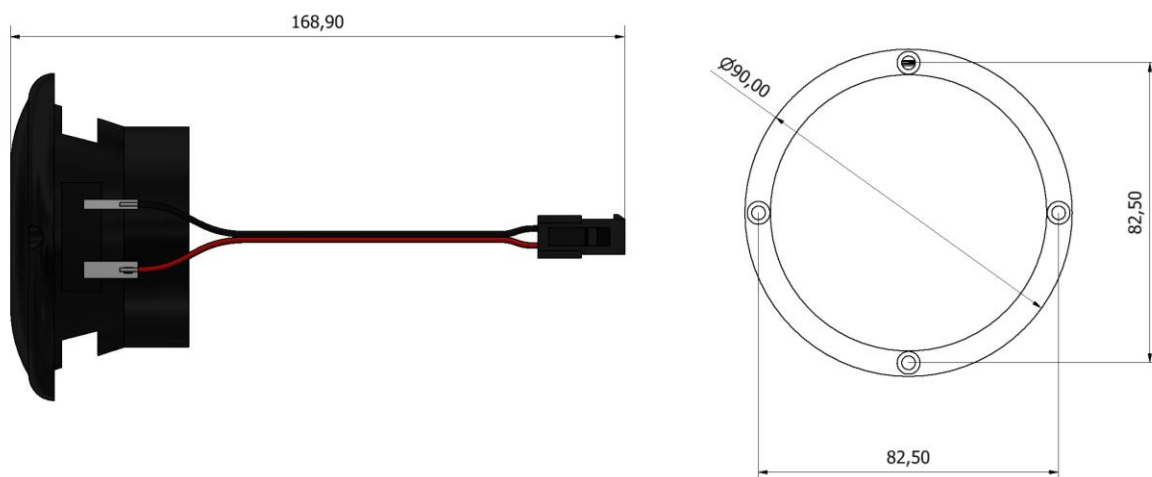
0240-CA022 – Intercom Extension Lead 3m**Electrical Specifications**

Connector : Molex MiniFit
 Material : PVC(S60)
 Color : BLACK/RED
 Current Rating: 5A

0240-CA023 - Intercom Cable Header ASSY**Electrical Specifications**

Connector : Molex MiniFit
 Material : PVC(S60)
 Color : BLACK/RED
 Current Rating: 5A

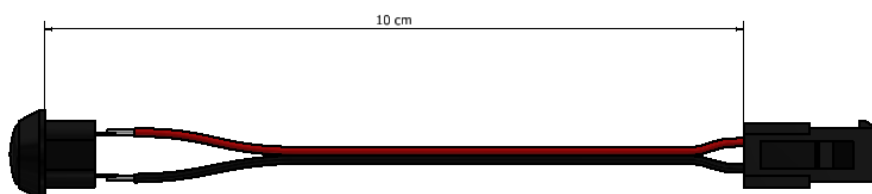
0245-SFLINT001.00 – Intercom Splash proof Speaker



Specifications

Connector: Mini Flt Jnr
 Frequency Response Min: 100Hz
 Frequency Response Max: 20kHz
 External Height: 37mm
 External Width: 90mm

0245-SFLINT003.00 – Panel Mount PTT Switch



Specifications

Mechanical

Total travel 2 mm ± 0.3 mm
 Operating force 5 N $\pm 30\%$
 Panel thickness 1 - 6 mm (max)
 Terminal type: Mini Flt Jnr
 Switching action: Momentary

Electrical

Dielectric strength: 2500 VAC
 Insulation resistance: 1GΩ
 Contact resistance: < 50mΩ (max)
 Electrical Life: 500,000 cycles
 Current rating: 400mA at 32 VAC resistive

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