 <p>matv security data audio</p>	<p>Office: 22 Dundonald St, Newton PO Box 8161 Symonds St, Auckland Phone: 09 302 3451 Fax: 09 302 3452 admin@digitalcom.co.nz www.digitalcom.co.nz</p>
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Updated 11.11.2008

SECURITY SYSTEM PRODUCT INFORMATION – INTERCOMS

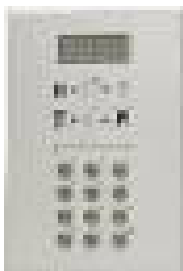
- **Farfisa**
- **Legrand**
- **Airphone**
- **Tektone**
- **TCS**

Farfisa

Farfisa intercoms mean reliability combined with easy installation and use. The range has been enlarge with the addition of new integrated functions to make intercoms systems flexible, yet enriched in the features. Our intercom systems are installed in large residential buildings around the world. With our newest digital systems are able to handle up to 9,999 stations all through a simplified wiring bus.

Audio Intercom Systems;

2 wire system: requires 1 common + 1 selective (call)



Model	Description
PT511EW	Handset, One Button, White
357	Amplifier / Microphone
MD10ED	MODY Amplifier Station / 0 Button
MD11ED	MODY Amplifier Station / 1 Button
MD12ED	MODY Amplifier Station / 2 Button
241D	Diode Kit
PRS210ED	Transformer 110-220-12vac



5 wire system: requires 4 common + 1 selective (call)

Model	Description
PT510W	Handset, One Button, White
337C	Amplifier / Microphone
MD10	MODY Station / 0 Button
MD11	MODY Station / 1 Button
MD12	MODY Station / 2 Button
MD30	Amplifier / Microphone
PRS220	Power Supply



Video Intercom System;

5 wire system: requires 4 common + 1 selective (call)

Model	Description
PT5160LCD	Monitor Flat 4" Color
PT5160W	Monitor Flat 4" Black & White
WB5160	Wall Bracket
MD41C	MODY Camera Color
MD41	MODY Camera Black & White
MD30	Amplifier / Microphone
1281	Power Supply
1382	Video Timer
1273TV	Double Entry Switch



Wires: 5 common + 1 selective (call)

Model	Description
PT5111EW	Monitor Flat 4" Black & White
WB5111E	Wall Bracket
MD41D	MODY Camera Black & White
MD10ED	MODY Amplifier Station / 0 Button
MD11ED	MODY Amplifier Station / 1 Button
MD12ED	MODY Amplifier Station / 2 Button
1181E	Power Supply



Digital Intercom System;

FN 4000 Digital Video System 5 wire bus + coax (video)

Model	Description
PT5160WDG-LCD	Monitor Flat 4" Color
PT5160WDG	Monitor Flat 4" Black & White
WB5160DG	Wall Bracket
PT510EW	Handset, One Button, White
MD41DG	MODY Camera
TD4100	Digital Door Station
PDX4000	Concierge Station
PRS4220	Power Supply



DF6000 Digital Video System non-Coax

Model	Description
PT5162W	Monitor Flat 4" Black & White
WB5162	Wall Bracket
PT512W	Handset, One Button, White
MD40D	MODY Camera Black & White
MD10D	MODY Amplifier Station / 0 Button
MD11D	MODY Amplifier Station / 1 Button
MD12D	MODY Amplifier Station / 2 Button
PRS6220	Power Supply



Legrand/Tegui Residential and Commercial Door Entry Systems

Tegui intercom systems are high quality units imported from Spain. Made from anodised aluminium and with stainless steel buttons, these units are completely modular and are also very weather proof. Volume may be adjusted on the gate station- to minimize street noise, or on the phone- to allow for better audio quality inside.

There are three basic types of intercom systems:

- 1-1 Intercoms
- Intercommunicating Intercoms
- Video Intercoms

Legrand was previously known as **TEGUI**, this Spanish range of intercoms has established worldwide a reputation of being superbly engineered and offering the highest quality and performance.

LEGRAND offer a comprehensive range of intercom systems from basic 1 to 1 household kits to large apartment or video systems.

2006 marked the launch of the SERIES 7 audio entry panel in Southern Africa and presented to the market a system which offers pure quality at your fingertips.

Slender, stylish, skilfully contoured, robust and durable, quite simply it's perfect.

The all-weather call buttons combined with aluminium facia ensure a long lasting product suitable for both inland and coastal conditions.

Long lasting, high efficiency diodes light up the call button labels improving usability in dark conditions.

Operating off a 12V AC/DC power supply, the entry panel can be connected directly to a 12V gate motor with battery back-up, not only simplifying installation but also providing power failure protection.

The panel hinges open for convenience and the high quality connectors allow easy and reliable termination of all wiring to the panel.

The LEGRAND Series 7 system is fully expandable. The modular design allows configuration of entry panels with any number of call buttons in even number increments.

Each call button can be connected to four handsets.

The SERIES 7 handset with contemporary styling and ergonomic feel confirms the superior quality of the product. The handpiece is available in white, charcoal and blue. Besides complimenting almost any interior, the darker colours are very practical in high usage areas as the handpiece is less likely to show fingerprint marks.

The superior voice quality of the LEGRAND intercom system allows you to identify your visitor with confidence before letting them into your property.

Use the convenient gate/door release pushbutton on the handset to operate the entrance gate or front door lock. An extra pushbutton is provided as standard on each handset to operate an auxiliary function on the gate operator or switch a light outside the front door.

7 Series –Small to Medium Installations



The 7 Series door entry system with recessed street panels has an ultra slim, contemporary design of European quality. It is perfectly suitable for individual houses and blocks of up to 10 apartments. Create your own installation from modular parts and kits, choosing from Black & White or Colour Video street panels, or Audio installations. Enhance your security with a selection of quality handsets and monitors. Easy identification and communication with visitors day and night.

For Surface Mounted street panels

Push button street panels

- Surface mount street panels
- Identical size for all models
- Simple installation

Video

Video enables remote visual recognition, light intensity adjustment, surveillance

function and camera lighting for night vision for additional security.

- B&W or Colour Video
- Stylish-streamlined monitors
- High quality images in B&W and Colour monitors

Audio

The Legrand audio door entry system provides high-fidelity sound and performance.

- Choice of colour for handsets and street panels
- System allows more than one handset per apartment
- Universal telephone: compatible with existing analogue installations

400/500 Series –Medium to large installations

Installation capability:

- Up to 800 apartments in an installation (max.250 apartments per panel)
- Up to 50 street panels (access points)in an installation
- Same installation allows for different panels

Installation management:

- Simple database creation due to automatic registration of handsets and monitors.
- Database management is made easy with Legrand DESS software and connection cable.
- Detection and location of faulty connections within the installation.

Wiring:

- Audio:2 wires
- Video:3 wires and either single twisted pair or coax
- Video including surveillance functions: 4 wires and either single twisted pair or coax
- Video including memory monitor: 4 wires and either single twisted pair or coax

400 Series Street Panel

Alpha-numeric display

- Recessed or surface mount compact street panel and optional index panel
- Multiple access door entry capabilities
- Compatible with third party camera, elevator and access card
- Laptop programmable



AUDIO



VIDEO

500 Series Street Panel

-Recessed vandal resistant street panels with alpha-numeric display

Alpha-numeric display

- Recessed or surface mount compact street panel and optional index panel
- Multiple access door entry capabilities
- Compatible with third party camera, elevator and access card
- Laptop programmable



AUDIO



VIDEO

Audio handsets

The sleek, unobtrusive design of our handsets are easy to use with a unique European style. The functionality of the system allows for more than one handset per apartment.

Analogue handset: Electronic tone (buzzer tone available in universal phones)

Digital handset: Standard or concierge option

Universal handset: Compatible with existing analogue installation

Audio Handsets



Video handsets

These stylish video handset provides additional security with high quality images in Black & White or Colour. Continue the aesthetic theme with the choice of White, blue or grey anthracite. The Black & White memory monitor has the ability to record up to 32 calls in your absence with details of the date & time of their visit. Black & White memory monitors and Colour monitors are only available in white.

Digital monitor

- Available with door release, concierge, auxiliary and surveillance buttons.
- Electronic call tone

Screen:

- 625 lines resolution
- Black & White or Colour
- 32 image memory option (Black & White only)
- Contrast and brightness controls

Installation:

System allows for combinations of audio and video handsets

Digital Monitors



B&W and Colour Video door entry systems
400 & 500 Series



Pack	Cat No.	Series 400
		Alpha-numeric Display
		• Panel complete with matrix keypad (illuminated)
		• Alphanumeric information display.
		• LED system status indicators.
		• Incorporates keypad coded entry function
		• System valid for one or more entrances.
		• Output for connection to PC.
		• B&W or colour camera.
		Digital Video
1	3643 50	B&W Video street panel
		Dimensions: 133 x 329 mm.
1	3643 57	Colour Video street panel
		Dimensions: 133 x 329 mm.
1	3643 55	Index street panel TR-3
		(Capacity for approx. 90 names).
		Dimensions: 133 x 329 mm.

Pack	Cat No.	Accessories
1	3656 03	Flush mounting box
		116 x 313 x 47mm
1	OE41 03	Surface mounting box
1	OE21 03	Gasket
		3 modules 163 x 359mm
1	OE31 03	Rainhood
		3 modules 169 x 362 x 46mm
1	3650 02	Power supply, Audio - E32
		88 x 175mm
1	3750 05	Power supply, Video - E35
		88 x 175mm
1	3641 30	Video selector- E51
		88 x 175mm
1	3641 40	Laptop adaptor RS232
		(inc. software)
1	3749 00	Door release
		12V 880 mA (per installation/entry)

Pack	Cat No.	Series 500
		Vandal-resistant Alpha-numeric Display
		• Complete panel in stainless steel.
		• Vandal resistant screws.
		• Laser-engraved matrix keypad
		• Alphanumeric information display.
		• Incorporates keypad coded entry function
		• System valid for one or more entrances.
		• Output for connection to PC.
		• B&W or colour camera.
		Digital Video
1	3645 50	Video street panel (B&W)
		Dimensions: 152 x 388 mm.
1	3645 57	Video street panel (Colour)
		Dimensions: 152 x 388 mm.
1	3645 55	Index street panel SR-500 V
		(Capacity for approx. 140 names).
		Dimensions: 152 x 388 mm.

Pack	Cat No.	Accessories
1	3645 52	Flush mounting box
		134 x 368 x 60mm
		Compulsory for installation of
		all street and index panels
1	3650 02	Power supply, Audio - E32
		88 x 175mm
1	3750 05	Power supply, Video - E35
		88 x 175mm
1	3641 30	Video selector- E51
		88 x 175mm
1	3641 40	Laptop adaptor RS232
		(inc. software)
1	3749 00	Door release
		12V 880 mA (per installation/entry)

Audio door entry systems
400 & 500 Series



Pack	Cat. No.	Series 400
		Alpha-numeric Display
		• Panel complete with matrix keypad (illuminated)
		• Alphanumeric information display.
		• LED system status indicators.
		• Incorporates keypad coded entry function
		• System valid for one or more entrances.
		• Output for connection to PC.
		Digital Audio
1	3643 10	Audio street panel
		Dimensions: 133 x 230 mm.
1	3643 15	Index street panel TR-2
		(Capacity for approx. 60 names).
		Dimensions: 133 x 230 mm.
		Accessories
1	3656 02	Flush mounting box
		116 x 214 x 47 mm
1	OE41 02	Surface mounting box
		(requires gasket or rainhood)
1	OE21 02	Gasket
		2 modules 163 x 260mm
1	OE31 02	Rainhood
		2 modules 169 x 263 x 46mm
1	3650 02	Power supply, Audio - E32
		88 x 175 mm
1	3641 40	Laptop adaptor RS232
		(inc. software)
1	3749 00	Door release
		12V 880 mA (per installation/entry)

Pack	Cat. No.	Series 500
		Vandal-resistant Alpha-numeric Display
		• Complete panel in stainless steel.
		• Vandal resistant screws.
		• Laser-engraved matrix keypad
		• Alphanumeric information display.
		• Incorporates keypad coded entry function
		• System valid for one or more entrances.
		• Output for connection to PC.
		Digital Audio
1	3645 10	Audio street panel
		Dimensions: 152 x 316 mm.
1	3645 15	Index street panel SR-500
		(Capacity for approx. 100 names).
		Dimensions: 152 x 316 mm.
		Accessories
1	3645 12	Flush mounting box
		Dimensions: 134 x 297 x 60 mm
		Compulsory for installation of all street and index panels
1	3650 02	Power supply, Audio - E32
		88 x 175mm
1	3641 40	Laptop adaptor RS232
		(inc. software)
1	3749 00	Door release
		12V 880 mA (per installation/entry)

>> Installation diagrams p. 38 & 39

AIPHONE

GF: Multi-Unit Audio Only Entry System



8 Call Entry Panel

Features

- One to five entrance panels and 250 tenant locations (Note wire distance specifications on larger systems)
- Digital entrance panel kits available for easy designing, selling, and installation
- Simple wiring with only 2 common wires run throughout the system
- Entrance panels with individual call buttons are designed modularly, allowing each panel to be configured with the appropriate number of buttons.
- Up to two inside handset stations for easy communication with visitor
- Access control from inside station to calling entrance (door release)
- Optional individual doorbell to ring handset station
- Door release timer (5~20 seconds), allowing easy entry of postal or delivery workers
- Security Guard or Concierge Station can be included to provide communication from office/lobby to tenants.
- Panic call switch can be added to tenant locations for emergency calling to guard/concierge.

Specifications

Power Source	24V DC, 0.7A Max. (30mA in standby) Use PS-2410LC only.
Power Supply	PS-2410LC to GF-BC
Station Capacity	100 locations (with individual buttons). Up to 250 locations with digital entrance panel. (Max. 250 total room stations.)
Entrance Stations	1 to 5
Apartment Station	Max. two audio-only stations per apartment (Max. 250 GF-1D's per system. Note total cumulative wire distance specification for larger systems.)
Calling Tones	Electronic ring tone from entrance station(s) Differentiated ring tone from individual doorbell

Door Release Contact	4A at 24V AC/DC (EL, EL terminals on GF-DA, dry closure)
Wiring	2-wire common bus wiring from Entrances to GF-BC 2-wire common bus wiring from GF-BC to GF-1D's Max. 50 stations on a trunk line. Run audio wires in T-tap fashion to minimize wire distance in larger applications. Total wire distance specification is cumulative, adding all physical audio wire in the system. Maintain total distance of under 8,200 feet (1.5 miles). It is not recommended that the audio wire be homerun to an equipment room in larger applications where wire distance specification may be exceeded.
Wire	Use Aiphone wire #872002. 2 conductor, solid copper, Non-shielded, polyethylene insulation, 20 AWG. NOTE: Proper operation or warranty for the system is not guaranteed with any other type of wire.
Distance	GF-BC to Junction Point: 16' with 20AWG GF-BC to PS-2410LC: 16' with 20AWG Junction Point to farthest Apartment: 980' with 20AWG Junction Point to farthest Entrance(s): 980' with 20AWG Total cumulative audio wire (R1, R2) distance must not exceed 8,200' per system with 20AWG wire. (Equivalent to 1.5 miles and 2.5 km.).

GF: Multi-Unit Audio/Video Entry System



GFV-DES

Features

- [GF-HID](#) Panel features an embedded HID Card reader with Wiegand output to access panel
- One to five entrance panels and 250 tenant locations
(Note wire distance specifications on larger systems)
- Both audio/video and audio-only entrance panels can be combined in the same system
- Flush mount modular design allows the entrance panel to have digital keypad calling and LCD display, or individual call buttons for each tenant
- Digital entrance panel kits available for easy designing, selling, and installation
- Up to two inside audio/video or audio-only stations for easy communication with visitor
- Security Guard or Concierge Station can be included to provide communication from office/lobby to tenants.
- Panic call switch can be added to tenant locations for emergency calling to guard/concierge

- Simple wiring with only two sets of 2 conductor cable run in common throughout the system (One pair for audio and one pair for video)
- Access control from inside station to calling entrance station (door release)
- Optional individual doorbell at each tenant's door to ring inside station (different tone)
- Door release timer (5~20 seconds), allowing easy entry of postal or delivery workers

Specifications	
Power Source	24V DC, 0.7A Max. (30mA in standby) Use PS-2410LC only.
Power Supply	PS-2410LC for each type of adaptor. (One each for GF-BC, GF-VBC/A, GFW-VBC. On additional GF-VBC/A if two monitors are included per tenant.)
Current Consumption	GF-BC: 0.7A, 30mA in standby GF-VBC/A: 0.95A, 20mA in standby GF-NS: 80mA (continuous)
Station Capacity	Maximum 250 total tenant addresses with 10- key digital calling. Max 100 stations when using individual tenant call buttons.
Entrance Stations	Max. 5 (audio/video or audio-only)
Apartment Station	Max. two stations per apartment, intermixable (or less for larger systems. Max.150 GF-1MD's per system)
Max. stations per trunk line	50 GF-1D's 25 GF-1MD's (Either loop wired or using GF-4Z's)
Trunk Lines	6 Video trunks from GF-VBC/A Any number of audio trunks from junction point
Talk Path	Single channel with privacy
Calling Tones	Electronic ring tone from entrance station(s) Differentiated ring tone from individual doorbell
Door Release Contact	4A at 24V AC/DC (EL, EL terminals on GF-DA/A or GF-DA/B, dry closure)
Wiring	2-wire common bus wiring from Entrances to GF-BC 2-wire common bus wiring from Entrances to GF-VBC/A 2-wire common bus wiring from GF-VBC/A to GF-1MD's 2-wire common bus wiring from GF-BC to GF-1MD's or GF-1D's
Wire	Use Aiphone wire #872002 for Audio Pair. 2 conductor, solid copper, Non-shielded, polyethylene insulation, 20 AWG. Use Aiphone wire #871802 for Video Pair. 2 conductor, solid copper, PE insulation, FPLR, 18 AWG. NOTE: Proper operation or warranty for the system is not guaranteed with wire other than specified.
Distance	GF-BC to Junction Point: 16' with 20AWG GF-VBC/A to Entrance Stn: 330' with 18AWG GF-BC & GF-VBC/A to PS-2410LC: 16' with 20AWG GF-VBC/A to farthest GF-1MD: 500' with 18AWG (w/1 monitor); 330' with 18AWG (w/2 monitors) GF-BC to farthest Audio Only Entrance(s): 980' with 20AWG GF-BC to farthest Handset station: 980' with 20AWG Total cumulative audio wire distance must not exceed 7,920' per system with 20AWG

MKS-1GD,MKS-1GDV,MKS-1GDVF-Door Sentry Sets



Features

- MK-DVF-HID Door station features an embedded HID Card reader with Wiegand output to access panel (Available second Quarter, 2006)
- Door call-in LED
- Extra dry contact
- Video and audio turn on when door calls in
- Door Call Transfer
- Redesigned monitors
- Two additional monitor (MK-1HD) or handset only (MK-2SD) stations can be added
- Simple 2-wire hook up -- Can replace existing doorbell
- 4 or 6 wires between inside monitors (based on distance)
- Handset for two-way communication at inside station
- Hands free communication at the door station
- Infrared, CCD camera for low light applications

Specifications

Power Source	18V DC, 0.8A. 0.04A standby. *Use PS-1820UL power supply.
Scanning Line	525 lines.
Image Viewing Area	2'1" vertical, 3'1" horizontal at 20" from camera.
Minimum Illumination	1 Lux at 20".
Monitor Type	4" Direct View Flat CRT
Wiring	2 conductor, 18AWG, non-shielded (Use Aiphone #871802.)
Distance	Video Door Station to Master Monitor: 650' with 18AWG Master Monitor to Farthest Sub: 245' with 18AWG Master Monitor to Power Supply: 33' with 18AWG

Audio Only Sub Station



MK-2SD

The MK-2SD is an audio only handset that can be connected in place of a monitor in an MK series video entry system. The unit features a handset for private communication, call tone volume control and a button for door release.

AT-406: Handset Intercom



AT-406

Features

- Two-way handset intercom system.
- One or two subs (AT-306) can be added.
- External signaling device can be added at each station (via TAR-3).
- DC (SKK-620) or battery (four "AA") powered with battery status indicator.
- Available in charcoal gray (AT-406B).

Specifications [\(Back to top\)](#)

Power Source	6V DC, 150mA. Use SKK-620 or 4 "AA" batteries.
Communication	Press "CALL" button to ring other station(s). Common talk system.
Wiring	2 wires, non-polarized. (Use Aiphone #822202.)
Distance	2300' with 22AWG (2-station set). 5400' with 18AWG (2-station set). 1300' with 22AWG (master to farthest of 3 subs). 3100' with 18AWG (master to farthest of 3 subs).

TCS Series Telephone Entry Systems



The TCS series multi-unit telephone entry systems have been designed to offer more flexibility, performance and value than ever before!

The TCS series easily provides tenants with instant audio communications and building access control. This advanced electronic directory telephone access system is also visitor friendly.

Display

The large 32-character-backlit LCD provides easy-to-understand user prompts that allow visitors to scroll names in alphanumeric order. The electronic directory can be programmed to display occupants' apartment numbers, names or a number known only to the occupant's visitor.

Keypad

A vandal resistant metal keypad features raised Braille lettering and ADA user features including both audible and visual confirmation of user actions. The TCS series is also a keyless entry system, which enables tenants or authorized visitors to enter a 4-digit access code to unlock the entrance door.

Remote Service PC

A built-in modem is provided for upload/download communications with a remote IBM compatible PC. This allows a building superintendent to update the directory conveniently from an apartment within the building, or a service technician to update information without having to make a costly service visit.

Occupant's Telephone

The TCS series turns any telephone into a fully functional intercom/door entry station. The number "9" unlocks the main entrance door for a programmed length of time, and "7" can be configured to trip an auxiliary relay to operate a secondary door or gate.

Local Service

In addition to easy programming through the built-in keypad, the unit can also accommodate a PC compatible keyboard. A local printer can also be connected to the TCS series RS-232 output port to print a hard copy record of all system activities (with time and date) as well as directory listings.

Master Building Access Switch

The unit has provision for a postal lock or emergency key to allow instant access to the building without the need to contact an occupant.

TCS Series System Features

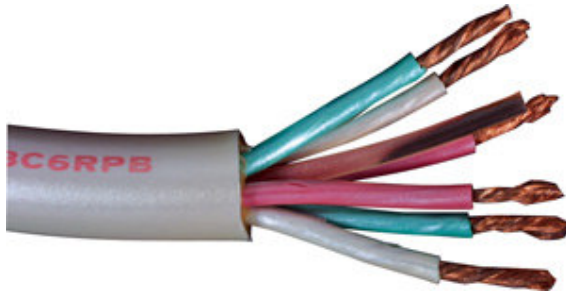
- Three models to choose from
- Easy programming via an IBM compatible keyboard, the 12-button panel keypad, or remotely from a personal computer
- Two form "C" relay contacts individually controlled for fail-safe or fail-secure lock/gate
- Up to 10 panels on a single phone line
- 500-name capacity
- 12-digit vandal resistant Braille keypad and programming with "pause" codes
- Built-in time clock and calendar for activity reports
- Built-in RS-232 output to a printer interface
- Optional heater kit
- French and Spanish kits available

Technical Specifications			
TCS-100			
<i>Surface</i>			
Dimensions (H-W-D) cm.	47.20 x 15.75 x 6.50	Prime Power Interface	Input voltage 16VAC, 500mA
Dimensions (H-W-D) in.	18.63 x 6.25 x 2.56	Door/Gate relay outputs	Form C dry contacts, 24VAC, 1.6A
<i>Flush back box</i>			
Dimensions (H-W-D) cm.	42.36 x 13.56 x 8.04	Auxiliary relay outputs	Form C dry contacts, 24VAC, 1.6A
Dimensions (H-W-D) in.	16.81 x 5.38 x 3.19	Telephone line	Standard Telco, TIP and RING
<i>Flush front plate</i>			
Dimensions (H-W-D) cm.	47.20 x 15.75 x 2.22	Speaker output	Impedance: 8-45 ω , 0.5W
Dimensions (H-W-D) in.	18.63 x 6.25 x 0.88	DC Backup Power Supply	Output voltage 12VDC, 7Ah
TCS-110			
<i>Surface</i>			
Dimensions (H-W-D) cm.	30.48 x 37.63 x 12.70	Serial printer output	Baud rate 600bps
Dimensions (H-W-D) in.	12.00 x 14.83 x 5.00		Word length 8bits
<i>Flush back box</i>			
Dimensions (H-W-D) cm.	31.02 x 37.83 x 9.45		Parity none
Dimensions (H-W-D) in.	12.31 x 15.01 x 3.75	Keyboard (IBM compatible)	DTR enabled
			6-pin DIN

➤ Intercom Cables

6 Core High Quality

A very high quality speaker cable comprising six insulated cores. Each core is comprises hundreds of OFHC copper strands of 0.1mm, 0.08mm & 0.06mm diameter which are roped together, insulated in PE with a coloured PVC covering for trace. The conductors are twisted together to lower the inductance with each other. This is sheathed overall in durable pearlescent white PVC. Oxygen-free high conductivity copper is produced by re-melting cathode copper (electrolytically refined copper) in an oxygen free atmosphere. This is the best copper for electrical conductors



Twin Power & Data Cable

Two different conductor types are used. A power pair (red/blue) is provided in 16 strands x .20mm(0.50mm) for use where a higher than normal current carrying capacity or lower voltage drop is required.

The data cores consist of the standard 7 strands of 0.20mm tinned copper wire. The data cores are aluminium foil wrap screened (with an earth drain wire) to give added protection against induced transients that may be carried via the power cores or outside influences.

Available in; 2 power + 4 data, 2 power + 6 data, 2 power + 8 data

Date and power are screened separately.

Technical Data	
Core Type	Annealed tin copper
Strand Diameter	0.2mm
Strands per core	16 Power 7 Data
Nom. Conductor Area	0.50mm ² - power, 0.22mm ² - data
Core Gauge	22 AWG
Insulation Thickness	0.4mm
Max. operating Voltage	50v RMS
Current Rating Per Core @ 70 degrees C	3 AMP
Max. operating Temp	70 degrees C
Nom Core Resistance @ 20 degrees C	40 OHMS/KM
BS Standards	BS4737, section 3.30

Belden- 8723 2 pair 22 awg

- Number of Pairs: 2
- Total Number of Conductors: 4
- AWG: 22
- Stranding: 7x30
- Conductor Material: TC - Tinned Copper
- Insulation Material: PP - Polypropylene Pair
- Shield Material: Aluminum Foil-Polyester Tape
- Outer Shield Material: Unshielded
- Outer Jacket Material: PVC - Polyvinyl Chloride
- Plenum (Y/N): N
- Plenum Numbers: BL-82723, BL-87723, BL-88723
- Twisted pairs
- Individually shielded with 100% Beldfoil
- 24 AWG Stranded TC drain wire
- Chrome PVC jacket (Pairs cabled on common axis to reduce diameter)
- 300V RMS 60°C

- **Conductor Nom. DCR** - 15.0 Ω / M', 49.2 Ω /km
- **Shield Nom. DCR** - 16.6 Ω / M', 54.5 Ω /km
- **Nominal core OD** - 0.168", 4.27mm

Applications: Audio Interconnect, Audio, Control and Instrumentation Cable, Analog Audio Cables, Double Pair, Industrial Data, Interconnect.



2 Core 1.5mm

- Extra flexible environmentally tough cable
- Suitable for water pumps, portable equipment and tools where robust and flexible connections are required, cranes and machine tools
- Extremely good handling characteristics to -35C

Technical Specification

Voltage Rating	450/750V rms
Conductors	Stranded bare copper class 5
Insulation	Cross linked elastometric compound
Jacket	Cross linked elastometer
Operating temperature range	-35C to +85C
Fire Resistance	Meets NF C 32-070