

Patching Products Mains Distribution Units

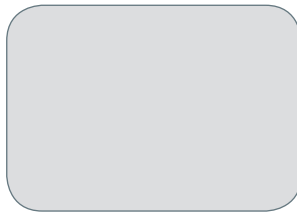


COLOUR OPTIONS

PATCH PANELS



Storm Grey (SG)



Dawn Grey (DG)

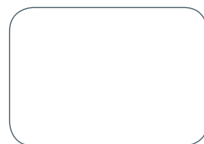


Black (BL)

ACCESSORIES



Black (BL)



White (WHI)



Red (RED)



Orange (ORA)



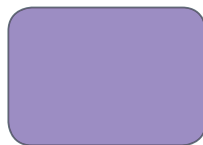
Yellow (YEL)



Green (GRE)



Blue (BLU)



Violet (VIO)



Grey (GRY)



Ivory (IVO)

For detailed specifications please see
our website at www.dem-uk.com



VIDEO PATCH PANELS AND ACCESSORIES

HDTV VIDEO JACKFIELDS

Video jackfields for high bit-rates including 3G.

- Rigid aluminium alloy extrusion
- High visibility clip-on designation strips
- Electrically isolated floating connector mounting system to ensure alignment
- Lacing bar
- Can be used for Dolby 5.1
- High density version of 2 x 32



Part Number	Description
VJF1220HD	HDTV Video Jackfield 1U 2 X 20 HD
VJF1224HD	HDTV Video Jackfield 1U 2 X 24 HD
VJF1226HD	HDTV Video Jackfield 1U 2 X 26 HD
VJF1232HD	HDTV Video Jackfield 1U 2 X 32 HD
VJF3424HD	HDTV Video Jackfield 3U 4 X 24 HD

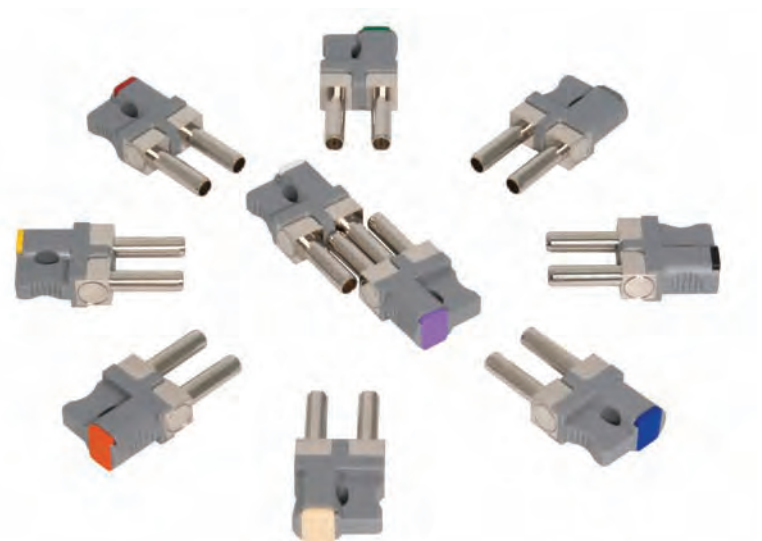
HDTV Video U-Links

Removable links to provide a path between the top and bottom row. Slimline handle design with finger grip or hook hole for removal

- Identification tag offset from centre coloured

Part Number	Description
ULHD1***	HDTV U-Link Digital 1RU + COLOUR

*** Colour Options: BLA, WHI, RED, ORA, YEL, GRE, BLU, VIO, GRY, IVO



HDTV Video Patchcords

- High quality cable with strain relief boots
- A large range of lengths and boot colours



Part Number	Description
PCHD12***	High Definition Patchcord 12" (300mm) + Colour
PCHD18***	High Definition Patchcord 18" (450mm) + Colour
PCHD24***	High Definition Patchcord 24" (600mm) + Colour
PCHD36***	High Definition Patchcord 36" (900mm) + Colour
PCHD48***	High Definition Patchcord 48" (1200mm) + Colour
PCHD60***	High Definition Patchcord 60" (1500mm) + Colour
PCHD72***	High Definition Patchcord 72" (1800mm) + Colour
PCHD78***	High Definition Patchcord 78" (1950mm) + Colour
PCHD120***	High Definition Patchcord 120" (3000mm) + Colour

*** Colour Options: BLA, WHI, RED, ORA, YEL, GRE, BLU, VIO, GRY, IVO

HDTV Video Adaptor leads

Leads for connecting BNC's to the front of the panel

- High quality cable with strain relief boots
- A large range of lengths, violet boot as standard

Part Number	Description
ADAPT01-0200	8" (200MM) HD Plug - HD BNC Plug
ADAPT01-0400	16" (400MM) HD Plug - HD BNC Plug
ADAPT01-0600	24" (600MM) HD Plug - HD BNC Plug
ADAPT01-0800	32" (800MM) HD Plug - HD BNC Plug
ADAPT01-1000	39" (1000MM) HD Plug - HD BNC Plug
ADAPT01-1250	49" (1250MM) HD Plug - HD BNC Plug
ADAPT01-1500	59" (1500MM) HD Plug - HD BNC Plug
ADAPT01-1750	69" (1750MM) HD Plug - HD BNC Plug
ADAPT01-2000	79" (2000MM) HD Plug - HD BNC Plug
ADAPT01-3000	118" (3000MM) HD Plug - HD BNC Plug
ADAPT01-4000	157" (4000MM) HD Plug - HD BNC Plug
ADAPT01-5000	197" (5000MM) HD Plug - HD BNC Plug



MUSA VIDEO JACKFIELDS

With much used MUSA connectors, these jackfields are designed for SD, although can be used for higher bit-rates to include HD at 1.5G.

- Rigid aluminium alloy extrusion
- High visibility clip on designation strips
- Standard MUSA



Part Number	Description
VJF1220M	Video Jackfield 1U 2 X 20 Musa
VJF1224M	Video Jackfield 1U 2 X 24 Musa
VJF1226M	Video Jackfield 1U 2 X 26 Musa
VJF2220M	Video Jackfield 2U 2 X 20 Musa
VJF2224M	Video Jackfield 2U 2 X 24 Musa
VJF2226M	Video Jackfield 2U 2 X 26 Musa
VJF3424M	Video Jackfield 3U 4 X 24 Musa



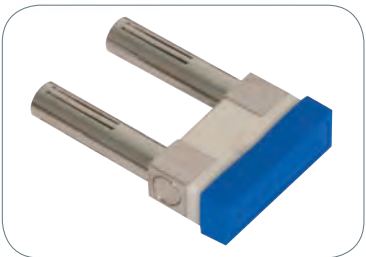
Musa Video U-Links

Removable links to provide a path between the top and bottom row

- Offset from centre coloured identification tag on 1RU version
- 2RU version to fit 2RU panels are differently styled for a more prominent coloured cap

Part Number	Description
UL1***	Musa Video U-Link SD Digital 1RU + Colour
UL2***	Musa Video U-Link SD Digital 2RU + Colour

*** Colour Options: BLA, WHI, RED, ORA, YEL, GRE, BLU, VIO, GRY, IVO



Musa Video Patchcords

- High quality cable with strain relief boots
- A range of lengths and boot colours

Part Number	Description
PCORDV18***	18" (450mm) Video Patchcord + Colour
PCORDV24***	24" (600mm) Video Patchcord + Colour
PCORDV36***	36" (900mm) Video Patchcord + Colour
PCORDV48***	48" (1200mm) Video Patchcord + Colour

*** Colour Options: BLA, WHI, RED, ORA, YEL, GRE, BLU, VIO, GRY, IVO



AUDIO / VIDEO JACKFIELDS



Part Number	Description
AVJF2224	Audio / Video Jackfield 2U 2 X 24

CO-AXIAL TERMINATION PANEL

- Rigid aluminium alloy extrusion
- High visibility clip-on designation strips
- Electrically isolated
- 75 ohm BNC bulkhead connectors (50 ohm available on request)
- Other combinations available



Part Number	Description
CTP221675R	Co-axial Termination Panel 2U 2 X 16
CTP222075R	Co-axial Termination Panel 2U 2 X 20
CTP222475R	Co-axial Termination Panel 2U 2 X 24

AUDIO PATCH PANELS AND ACCESSORIES

BPO AUDIO JACKFIELDS

A range of jackfields using BPO connectors for audio patching. Units can be pre-wired to order, with a number of termination options. Un-wired and pre-wired panels use jacks with offset earth-lug for ease of bussing

- Rigid aluminium alloy extrusion
- High visibility clip-on designation strips
- Electrically isolated
- 5 point B gauge BPO jack sockets
- Lacing bar
- Analogue and AES/ABU



Part Number	Description
AJF1220	Audio Jackfield 1U 2 X 20 B Gauge BPO
AJF1224	Audio Jackfield 1U 2 X 24 B Gauge BPO
AJF1226	Audio Jackfield 1U 2 X 26 B Gauge BPO
AJF2220	Audio Jackfield 2U 2 X 20 B Gauge BPO
AJF2224	Audio Jackfield 2U 2 X 24 B Gauge BPO
AJF2226	Audio Jackfield 2U 2 X 26 B Gauge BPO
AJF4424	Audio Jackfield 3U 4 X 24 B Gauge BPO

BPO Audio Patchcords

Braided cable patchcords suitable for BPO jack sockets

Part Number	Description
PCORDA12BLA	12" (300mm) BPO Audio Patchcord
PCORDA18BLA	18" (450mm) BPO Audio Patchcord
PCORDA24BLA	24" (600mm) BPO Audio Patchcord
PCORDA36BLA	36" (900mm) BPO Audio Patchcord
PCORDA48BLA	48" (1200mm) BPO Audio Patchcord
PCORDA60BLA	60" (1500mm) BPO Audio Patchcord
PCORDA72BLA	72" (1800mm) BPO Audio Patchcord

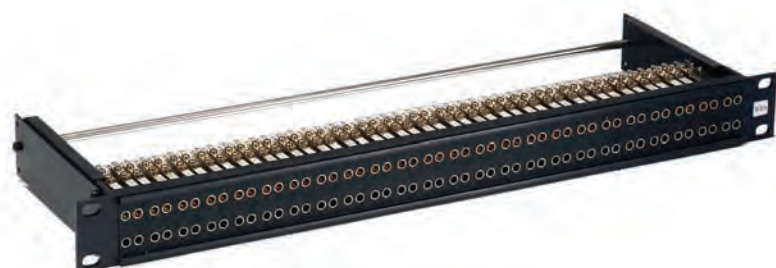


BANTAM AUDIO JACKFIELDS

A range of jackfields using Bantam connectors for audio patching. Units can be pre-wired to order, with a number of termination options.

- Rigid aluminium alloy extrusion
- High visibility clip-on designation strips
- High density patching
- 5 point bantam jacks
- Electrically isolated
- Lacing bar

Part Number	Description
BJF1240	Bantam Jackfield 1U 2 x 40
BJF1248	Bantam Jackfield 1U 2 x 48



Bantam Audio Patchcords

Braided patchcords suitable for Bantam jackfields

Part Number	Description
PCORDB12BLA	12" (300MM) Bantam Audio Patchcord
PCORDB18BLA	18" (450MM) Bantam Audio Patchcord
PCORDB24BLA	24" (600MM) Bantam Audio Patchcord
PCORDB36BLA	36" (900MM) Bantam Audio Patchcord

AUDIO TERMINATION PANEL

- Rigid aluminium alloy extrusion
- High visibility clip-on designation strips
- 3 Pin XLR connectors as standard, other configurations available on request



Part Number	Description
ATP2216M	Audio Termination Panel 2U 2 X 16 XLR Male
ATP3416M	Audio Termination Panel 3U 4 X 16 XLR Male
ATP2216F	Audio Termination Panel 2U 2 X 16 XLR Female
ATP3416F	Audio Termination Panel 3U 4 X 16 XLR Female
ATP2216FM	Audio Termination Panel 2U 2 X 16 XLR Female & Male
ATP3416FM	Audio Termination Panel 3U 4 X 16 XLR Female & Male



AUDIO BALANCING UNITS

These units are intended to interface domestic or semi-pro to professional equipment. The active units have adjustable gain whilst the passive ones use high quality transformers to achieve the balancing.

- Up to 10 channels in a 1RU unit
- Units can be factory set to give desired operation eg. Balanced to unbalanced or vice versa



Part Number	Description
ABU01*	Passive Analogue Audio Balancing Unit
ABU04*	Active Analogue Audio Balancing Unit
ABU05*	Active Analogue Audio Balancing Unit with D types
ABU07*	Passive AES Balancing Unit

* Please select "F" for balanced female inputs or "M" for balanced male outputs.
All unbalanced connections are via phono sockets.

DATA PATCH PANELS

RJ45 Patch Panels

- RJ45 data connectors accessible through the front panel
- Outputs via 9 way D type or RJ45 on the rear

Part Number	Description
DPP02	Data Patch Panel - RJ45 on the front & 9 way D type the rear
DPP03	Data Patch Panel – RJ45 front and rear



RS422 Patch Panels

Different from the data patch panels, these panels utilise 8 way dual in line connectors for a higher insertion life and a more rugged connector.

- 8 pin dual inline connectors mounted in a rugged housing
- Outputs via 9 way D types on the rear

Part Number	Description
RSP06DG	RS422 Patch Panel 1RU 1 row of 6 paired connectors (12 total)
RSP12DG	RS422 Patch Panel 2RU 2 rows of 12 connectors
RSP16DG	RS422 Patch Panel 2RU 2 rows of 16 connectors



RJ45 Patchcords

- 8 pin RJ45 to RJ45 with shielded cable

Part Number	Description
PCORDDAT6	6" (150mm) Data Patchcord
PCORDDAT12	12" (300mm) Data Patchcord
PCORDDAT18	18" (450mm) Data Patchcord



RS422 Patchcords

- Rugged connectors
- Retaining mechanism
- 8 pin dual in line socket

Part Number	Description
PCORDRSP4	4" 100MM Patchcord for RSP Panels
PCORDRSP12	12" 300MM Patchcord for RSP Panels
PCORDRSP24	24" 600MM Patchcord for RSP Panels

MAINS DISTRIBUTION UNITS

Mains distribution units with various modes of operation and numbers of outputs.
Unless specified, all outputs are via IEC connectors.

LOW COST MAINS DISTRIBUTION UNITS

- Unit designed to give good value for money
- 14 outputs available
- 12 output sequential version with 400ms between each output power starting

Part Number	Description
MDU14	14 Output Mains Distribution Unit
MDU12S	12 Output Sequential Start-up MDU



MAINS DISTRIBUTION UNITS WITH SPECIFIC FUNCTIONS

- 2 outputs via Neutrik Powercon's – total load 32 Amps
- 10 output with fuse failure indication and input MCB
- 10 output with fuse failure indication and input MCB with two input changeover function for voltage loss of the primary supply
- Dual input enables two banks of seven in one unit, powered by separate supplies.
- 14 output with two input changeover function for voltage loss of the primary supply. Available with simple monitoring



Part Number	Description
MDU02-N-B-001	2 Output High Current Mains Distribution Unit
MDU10-N-B-001	10 Output Mains Distribution Unit with MCB
MDU10-C-B-001	10 Output Changeover Mains Distribution Unit
MDU14-N-S-001	14 Output Mains Distribution Unit - 2 x inputs, 2 x 7 outputs
MDU14-C-N-001	14 Output Changeover Mains Distribution Unit
MDU14-C-M-001	14 Output Changeover MDU with Remote Status Reporting

VERTICALLY MOUNTING MDU

This MDU is powder coated black all over and is designed to be vertically mounted to allow cable entry from the removable front cover. The rack angles can be changed to allow mounting in a shallow rack (allow 75mm) or flat against a wall, ideal for monitor walls or under desk supply.

Part Number	Description
MDU14-F-N-001	14 Output Flat Mains Distribution Unit



CUSTOM SOLUTIONS

Utilising our own design extrusion and two modern CNC milling machines, we can manufacture custom jackfields to suit your requirements, e.g.

- number of connectors
- with or without lacing bar
- combinations of audio and video etc.

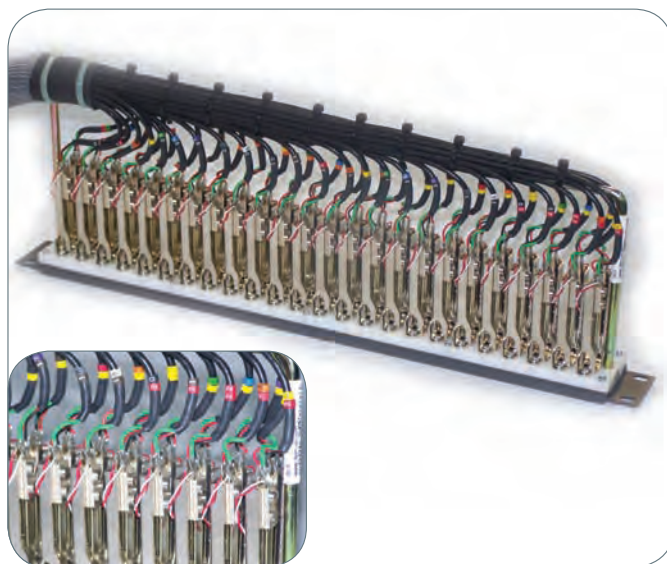
In addition, all of our panels can be finished to your paint specification including colour and silk-screening.

Audio Pre-wiring

Pre-wiring of audio jackfields can be carried out to customer specifications.

Typical requirements include

- Overall screened cable
- Individually screened cable
- Half-normalled
- Fully-normalled
- Double-normalled
- Rear termination via loom, or attached to a rear bracket
- Krone connectors
- TAG blocks
- EDACS



Mains Distribution Units

We work closely with our customers to design and manufacture MDU's to customer requirements.

Typical modifications include

- Neutrik Powercon® inputs or outputs
- Switched or unswitched
- Inputs via IP44 BS4343 plugs
- Inputs via circuit breakers
- 2 input changeover functions
- Simple monitoring via 'D' type



Co-axial Termination Panels

To achieve greater density we have produced 2 RU 64-way and 4 RU 128-way co-axial termination panels using silk-screening for identification of outputs.

About Us



For over 20 years, the **bes** range of broadcast products has been recognised as a world leader for quality and specification in broadcast patching products and accessories. **bes** has the expertise to meet the demands of the professional broadcaster and using only the highest quality components produce innovative and unique solutions to broadcasting needs worldwide.

Digital or Analogue, Video, Audio or Data, **bes** offers the most reliable and user friendly patching systems available. Control and safety are built into these standard products.

With products installed worldwide, **bes** patch panels, mains distribution units and installation products really are at the heart of the broadcast industry, delivering 1000's of signals to air every second of the day.

bes takes great pride in its dedication to quality. The broadcast industry expects exemplary standards and **bes's** commitment to the ISO 9001 system assures the quality of product and service demanded. From concept to delivery and beyond, the customer's total satisfaction is paramount. Partnerships with agents and distributors worldwide ensure locally available technical and commercial support, with full factory back-up.



DEM Manufacturing, **bes's** parent company, specialise in the UK manufacture of electrical and electronic components. A market leader in its field, DEM Manufacturing combines depth of product knowledge with a reputation for quality and service, and an understanding of customer's needs worldwide.

DEM Manufacturing are part of Alpha 3 Manufacturing Limited, which also incorporates electro-mechanical sub-contract manufacturers CCS Electronics and CTL Manufacturing, and electronic component distributors Eledis and Dubilier.



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