



Established in 1976 Barrett Communications designs, manufactures and markets HF and VHF radio equipment for specialised, autonomous, medium and long distance radio communications. HF and VHF radio communications is “free to air”; having no recurring usage charges once the communications network has been installed.

Barrett radio networks are capable of providing voice, email, data, fax, and tracking solutions for fixed base station, mobile and manpack portable applications. Our global distribution and customer support network provides easy access and backup for our customer base in over 150 countries globally.

This catalogue accompanies the Barrett commercial product catalogue. It contains the product details for the Barrett Communications high power HF transmission systems and the varying configurations there of.

■ 4075 HF High Power Transmitter Packages	5
■ Local and remote control devices	15
■ Control position accessories	21
■ Coaxial switching devices	25
■ High power ATU (Automatic tuning unit)	29
■ Racking options and accessories	35
■ High Power Antennas, masts, and accessories	43
■ Coaxial Cables and accessories	53
■ Lightning protection and earthing (grounding)	59
■ Packaging	63

Note:-

1. Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation
2. For complete technical specifications please refer to your business development manager
3. Net weights provided are indicative and are subject to variation, they are provided as guide for operational use of products only.  
Packed weight will be determined based on orders once received and as such are not indicated in this catalogue.



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# **4075 HF High Power Transmitter Packages**



Part Number	PKG Type	Net Weight
BC407510	N/A	172 kg

4075 HF High Power Transmitter Package

20 RU - 1 Kw

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.

See brochure for more detailed information.

**Note:-**

High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.



**Includes:-**

20U desk mount rack	BCA407522		
4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 1 kW	BC407501		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit 1kW	BC407503		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

Part Number	PKG Type	Net Weight
BC407512	N/A	172 kg

4075 HF High Power Transmitter Package  
20 RU - 500 W

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.

See brochure for more detailed information.

**Note:-**

High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.

**Includes:-**



20U desk mount rack	BCA407522		
4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 500 W	BC407500		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit	BC407502		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

	Part Number	PKG Type	Net Weight
4075 HF High Power Transmitter Package 39 RU - 1 kW	BC407511	N/A	258 kg

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.

See brochure for more detailed information.

**Note:-**  
High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.



**Includes:-**

39U rack	BCA407523		
4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 1 kW	BC407501		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit 1kW	BC407503		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

Part Number	PKG Type	Net Weight
BC407514	N/A	258 kg

4075 HF High Power Transmitter Package  
39 RU - 500 W

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.

See brochure for more detailed information.

**Note:-**

High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.



**Includes:-**

39U rack	BCA407523		
4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 500 W	BC407500		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit	BC407502		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

	Part Number	PKG Type	Net Weight
4075 HF High Power Transmitter Package No Rack - 1 kW	BC407520	N/A	N/A

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.



See brochure for more detailed information.

**Note:-**  
High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.

**Includes:-**

4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 1kW	BC407501		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit 1 kW	BC407503		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

Part Number	PKG Type	Net Weight
BC407521	N/A	N/A

4075 HF High Power Transmitter Package  
No Rack - 500 W

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.



See brochure for more detailed information.

**Note:-**

High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.

**Includes:-**

4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 500 W	BC407500		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit	BC407502		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		



Part Number	PKG Type	Net Weight
BC407515	N/A	N/A

4075 HF High Power Transmitter Package  
(transportable) 9RU Suprobox rack - 500 W

The Barrett 4075 high power HF Transmitter is a compact rack mounted communications solution developed for base station applications.

See brochure for more detailed information.

**Note:-**

High power transmitters require high quality earthing systems and it is recommended that lightning arrestor kits are used on RF coaxial feeders. Details of required earthing systems are available from our technical service department and are supplied in the operation and installation manual.

For additional options and accessories, please see relevant section detail.



**Includes:-**

9RU Suprobox rack 9U48 Black	BCA407503		
4050ip HF SDR Transceiver	BC405000ip		
4022 Power Supply Unit 24 V	BC402201		
4075 Linear amplifier 500 W	BC407500		
Fan unit to suit 4050	BCA40002		
4000 series Rack mount kit	BCA40007		
4075 Power Supply Unit 500 W	BC407502		
AC Power distribution unit (power cable unterminated)	BCA407520		
4050 to Ethernet Adapter with USB Ports	BCA40504		

Part Number	PKG Type	Net Weight
BCA407520	N/A	5.85 kg

AC power distribution box

Unit used for the reticulation of power in Barrett 39U and 20RU racks. Typically used as the mains power distribution component of a 4075 transmitter system.

**Note:-** When used in a Barrett 4075 Rack, it is supplied wired into the 4075 Junction Box.



Junction box	BCA407521	N/A	1.80 kg
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Electrical junction box which allows termination of external, single phase, power cables into Barrett 39U and 20RU racks. Typical use is a single gland entry version for single 4075 transmitter systems and dual gland entry for dual 4075 transmitter systems.

**Note:-** This unit is required for 110V single phase mains supply only.



**Local and remote control devices**



	Part Number	PKG Type	Net Weight
Field PC DESKTOP	BCA202010	N/A	14 kg

HP ProDesk 600 G4 Small Form Factor PC  
Core i7-8700 3.2/4.6Ghz, 8GB, 256GB SSD, Win 10 Pro 64, 3 Yr 4VM89PA

- \* Intel Core i7-8700 (3.2 / 4.6 GHz)
- \* 8GB DDR4 2400MHz Memory  
(1 slot in use, 3 slots available)
- \* 256GB M.2 2280 PCIe NVMe SSD
- \* Slim SuperMulti DVD Burner
- \* Intel UHD 630 Graphics
- \* 1 x Spare 3.5 Bay, Spare SATA Port
- \* 6 x USB 2.0, 4 x USB 3.0, 1 x USB 3.1 Type-C
- \* 3 x DisplayPort
- \* Gigabit Ethernet
- \* 1 x PCIe x4, 1 x PCIe x16 (single width cards only)
- \* HP Keyboard and Mouse
- \* Microsoft Windows 10 Professional 64bit
- \* Acer UT241Y 23.8" Full HD IPS Height Adjustable Touch Screen Monitor
- \* ALOGIC SmartConnect DisplayPort to HDMI 3m Cable



**Note:-** Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.

Field PC LAPTOP	BCA202011	N/A	4 kg
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Typically: Panasonic Laptop Rugged CF-31 Toughbook

- 13.1" TOUCHSCREEN
- i5 2.4GHz CPU
- 1TB HDD
- 8GB RAM
- Windows 7 Pro + MS Office
- WiFi
- DVD/CD-RW



**Note:-** Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.

Ethernet switch - 5 port	BCA40055	N/A	N/A
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The switched Ethernet networks reduce traffic and unpredictable timing. Due to the narrow housing design, the switches are suitable for use in control cabinets and junction boxes. The switch supports the auto negotiation function and offers transmission speeds of 10/100Mbps across RJ45 ports. The RJ45 ports offer an autocrossing function which means it is not necessary to make a distinction between 1:1 and crossover cables.



Part Number	PKG Type	Net Weight
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### Ethernet switch - 8 port

BCA40061	N/A	N/A
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The switched Ethernet networks reduce traffic and unpredictable timing. Due to the narrow housing design, the switches are suitable for use in control cabinets and junction boxes. The switch supports the auto negotiation function and offers transmission speeds of 10/100Mbps across RJ45 ports. The RJ45 ports offer an autocrossing function which means it is not necessary to make a distinction between 1:1 and crossover cables.

### Ethernet I/O controller Brainbox

BCA40056	N/A	0.25 kg
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The Brainboxes Ethernet to DIO products are a range of Ethernet devices controlled by a host computer which provide digital communication functions using Input, Output and Relay lines. The ED product range has Input and Output lines which are capable of driving high current and high voltage loads and are specifically designed for use in industrial process control and automation environments.

### RS485/Ethernet converter

BCA40057	N/A	0.34 kg
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The Moxa NPort NPort 5110-T is an advanced, 1-port RS-232/422/485 serial device server that make it easy to network-enable serial devices

### Optical fiber/Ethernet converter

BCA40058	N/A	N/A
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Unmanaged Ethernet switch with 7 10/100BaseT(X) ports, and 1 100BaseFX multi-mode port with SC connector, -10 to 60°C operating temperature

Part Number	PKG Type	Net Weight
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Omnitronics devices IPR100 VOIP/SIP	BCA40052	N/A	0.3 kg
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VoIP/SIP Gateway Interface (desk mount)

Stock Code: 0005-02010



Omnitronics devices IPR100R	BCA40059	N/A	1 kg
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VoIP/SIP Gateway Interface (rack mount)

Stock Code: 0005-02010-200



Omnitronics devices IPR110+ Desk Mount	BCA40054	N/A	0.3 kg
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VoIP/SIP Gateway Interface (desk mount)

Stock Code: 0005-02010-111



Omnitronics devices IPR110+	BCA40060	N/A	1 kg
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IPR110+R – VoIP/SIP Gateway Interface (rack mount)

Stock Code: 0005-02010-211



Omnitronics devices IPR400 4 Channel VOIP Interface	BCA40053	N/A	1 kg
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Similar to IPR 100 but enables up to four two-way radios to be remotely controlled over an IP link.  
(rack mount)





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## **Control position accessories**



Part Number	PKG Type	Net Weight
BCA207642	C6	0.25 kg

PTT foot switch

Press to Talk footswitch suitable for operator console foot activated PTT applications.



Desktop console suit 4050

BCA40020	C4	1.6 kg
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The Barrett Desktop console incorporates a 4050 Control head for full transceiver functionality via IP and for direct connectivity to transceiver. Features include Boom Microphone latching/ no latching PTT, USB Interface, Ethernet connection & Inbuilt Power supply.

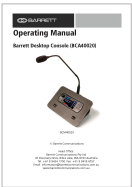
**Includes:-**

- AC/DC Power Adapter P/N BCA40021
- Desktop Console manual P/N BCM40020
- IEC mains cord (\*UK, European, AUS and US style Selected at point of order)

**Note:-** For direct cable connection to transceiver use P/N BCA40005 - Control Head cable.



\*



### Headphones - lightweight

Folding headphones with connector to suit 4050 Transceiver - colour black.

Part Number

BCA40013

PKG Type

C6

Net Weight

0.3 kg



### Headset - with boom mic

Folding headphone with boom mic to suit 4050 Transceiver - colour black

BCA40040

C6

0.3 kg



# **Coaxial switching devices**



Part Number

PKG Type

Net Weight

### Dual Port Antenna Switch Unit

BCA40506

C4

0.65 kg

For connection of two antennas to a 4050 Transceiver.

**Includes:-**

- Connecting cables P/N BCA90028, 2065-00-06
- User guide P/N BCM40506



### Multi coupler

BC407100

C4

2 kg

This 1RU, 19" rack mountable multicoupler includes one RF input and 8 terminated(selectable) outputs suitable for eight receivers sharing one antenna. Units are daisy-chainable to increase the number of outputs for larger installations.

**Includes:-**

- Power cable P/N SA-42021

**Note:-** Excludes RF coaxial cabling. Use BCA97503 Coaxial RF Patch Lead – 1.0m per (one cable required for each connected receiver)



### RG58 Coaxial patch cable terminated with UHF (PL259) Connectors - 1.0m

BCA97503

C4

0.10 kg

**Note:-** One cable required for each connected receiver.





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**High power ATU (Automatic tuning unit)**



Part Number

PKG Type

Net Weight

1 kW ATU (Automatic tuning unit)

BC407508

N/A

N/A

Housed in a fully weatherproof enclosure, the Barrett 1kW Automatic Tuning Unit (ATU) (BC407508) will tune long wire antennas effectively up to a length of 10 metres and wire loop antennas or whip antennas over a frequency range of 2 to 30 MHz and is suitable for both marine and land applications.

Tuning is rapid, typically 10 seconds the first time RF is applied, either whilst the operator is talking or when the "Tune" control is activated on the transceiver.



## Notes:-

### - Requires Control Cable (see below)

- Suitable whip antennas include BC91713 10m High power whip for 3-30 MHz operation.
- For 2-30MHz operation using a long antenna minimum tuneable length is 44m
- Requires Anti-Vibration Tray for Marine Installation

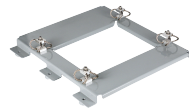
Anti-Vibration Tray

BCA407535

N/A

N/A

When attached to the optional shock-mount, the 02-4100 is a rugged solution that is rated to MIL-STD-810G for shock and MIL-STD-167-1A for vibration.



4075 1kW ATU Control Cable 30 metres

BCA407540

N/A

3 kg

Antenna Tuner Unit control cable



4075 1kW ATU Control Cable 50 metres

BCA407541

N/A

5 kg

Antenna Tuner Unit control cable



4075 1kW ATU Control Cable 100 metres

BCA407542

N/A

10 kg

Antenna Tuner Unit control cable



### 4075 1kW ATU Coaxial Cable RG213 30 metres

Assembly RG 213, N Male to UHF Male. Total Cable Loss 0.612dB. Power out @ 500 watts = 434 watts.  
Power out @ 1000 watts = 868 watts

Part Number

BCA407543

PKG Type

N/A

Net Weight

5.9 kg



### 4075 1kW ATU Coaxial Cable RG213 - 50 metres

Assembly RG 213, N Male to UHF Male. Total Cable Loss 1.260dB. Power out @ 500 watts = 374 watts.  
Power out @ 1000 watts = 748 watts

BCA407544

N/A

9.75 kg



**Note:-** Not recommended that RG213 is used for this cable length

### 4075 1kW ATU Coaxial Cable RG213 - 100 metres

Assembly RG 213, N Male to UHF Male. Total Cable Loss 2.520dB. Power out @ 500 watts = 280 watts.  
Power out @ 1000 watts = 560 watts

BCA407545

N/A

19.5 kg



**Note:-** Not recommended that RG213 is used for this cable length

### Coaxial cable from transmitter to ATU (LMR 400) pre-terminated cable - 50 metres

Assembly LMR-400, N Male to UHF Male. Total Cable Loss 0.771dB. Power out @ 500 watts = 419 watts.  
Power out @ 1000 watts = 837 watts

BCA407552

N/A

5.2 kg



### Coaxial cable from transmitter to ATU (LMR 400) pre-terminated cable - 100 metres

Assembly LMR-400, N Male to UHF Male. Total Cable Loss 1.542dB. Power out @ 500 watts = 351 watts.  
Power out @ 1000 watts = 701 watts

BCA407553

N/A

10.4 kg



Part Number

PKG Type

Net Weight

BCA407554

N/A

11 kg

Coaxial cable from transmitter to ATU (LDF4-50)  
pre-terminated cable - 50 metres

Assembly LDF4-50, N Male to UHF Male. Total Cable  
Loss 0.413dB. Power out @ 500 watts = 455 watts.  
Power out @ 1000 watts = 909 watts



BCA407555

N/A

22 kg

Coaxial cable from transmitter to ATU (LDF4-50)  
pre-terminated cable - 100 metres

Assembly LDF4-50, N Male to UHF Male. Total Cable  
Loss 0.827dB. Power out @ 500 watts = 413 watts.  
Power out @ 1000 watts = 827 watts



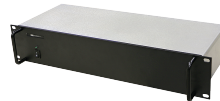
BCA407536

N/A

N/A

4075 Interface box

4075 Interface box is the unit designed to interface  
the control signals from the 4075 Linear amplifier to  
the Highpower ATU.



**Includes:-**

The mains power supply for the ATU.

SA-20767

N/A

N/A

4075 Interface to Linear cable

This cable connects from the 4075 Interface box to  
the Linear amplifier



**Includes:-**

Small control PCB board in the Linear amplifier  
connector.

Part Number	PKG Type	Net Weight
BCA407501	C4	0.15 kg

4050 to 4075 Linear Amplifier Control Interface Cable

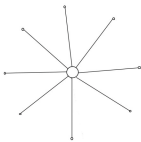
For direct connection between 4050 HF SDR Transceiver and 4075 Linear Amplifier.



Ground Counterpoise Kit

BCA407550	N/A	5 kg
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Portable 5 metres mast kit for tactical broadbands and dipoles - rapid deployment.



## **Racking options and accessories**





	Part Number	PKG Type	Net Weight
39U floor mount 19" rack - colour black	BCA407523	N/A	58 kg

39U floor standing 19" rack, with back door and removable side panels.



20U desk mount 19" rack - colour black	BCA407522	N/A	36.8 kg
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20U floor and desk mounted 19" rack, with back door and removable side panels.



4U table top rack mounting cabinet	BCA407524	N/A	2 kg
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Our standard range of small 19" cabinets are 450mm deep and suitable for remote control table top applications and small equipment cabinet requirements. Optional front and rear doors if required.



6U table top rack mounting cabinet	BCA407525	N/A	2.2 kg
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Our standard range of small 19" cabinets are 450mm deep and suitable for remote control table top applications and small equipment cabinet requirements. Optional front and rear doors if required.



8U table top rack mounting cabinet	BCA407526	N/A	2.4 kg
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Our standard range of small 19" cabinets are 450mm deep and suitable for remote control table top applications and small equipment cabinet requirements. Optional front and rear doors if required.



	Part Number	PKG Type	Net Weight
19" Standard rack mount kit for 4050/4022	BCA40007	N/A	2 kg

Standard rack mount tray for 4050/4022.

**Includes:-**

- Screw kit for mounting Transceiver/ Power supply unit.



19" Rack mount kit for 4022/4022	BCA40030	N/A	2 kg
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Standard rack mount tray for 4022/4022.

**Includes:-**

- Screw kit for mounting Transceiver/ Power supply unit.



19" Rack mount kit for 4050/4050	BCA40031	N/A	2 kg
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Standard rack mount tray for 4050/4050.

**Includes:-**

- Screw kit for mounting Transceiver/ Power supply unit.



19" Rack front panel with mic and speaker for 4050	BCA407528	N/A	0.75 kg
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Useful for extended control options from Transceiver and/or Transmitter in control centres where the operator sits away from the equipment rack.

Extended control options in communications vehicle racks.

Remote Site control options over LAN (separate power supply and special cabling require for this option).



Part Number	PKG Type	Net Weight
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### 2000 Series 19" Rack Mount Kit - Machined Front

BCA20007	N/A	2.35 kg
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Enables 19" rack mounting of 2000 Series transceivers, power supplies, modems and multi coupler units - fits two 2000 Series units with two front panels, one 2000 Series unit with one blanked position or one 2050 Transceiver with a speaker and microphone panel.



The front face panel is 6mm machined aluminum.

### 2000 Series 19" Rack Mount Kit - Pressed Front

BCA20017	N/A	2.2 kg
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This is a lower cost version of the BCA20007 Rack Mount kit (Above)

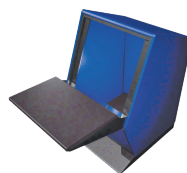
Enables 19" rack mounting of 2000 Series transceivers, power supplies, modems and multi coupler units - fits two 2000 Series units with two front panels, one 2000 Series unit with one blanked position or one 2050 Transceiver with a speaker and microphone panel.









The front face panel is 2mm pressed aluminum.

	Part Number	PKG Type	Net Weight
Profile A Console	BCA207643	N/A	4 kg

Suitable for operator positions and remote control equipment, the Profile A Console presents 12RU (535mm) of usable height in the viewing area, and up to 10RU (445mm) below the desk, with a standard 19" mounting width.

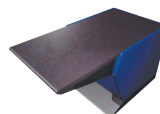


### Available in the following colours:







 APO Grey Ripple P/# 34000-81	 Gypsy Beige Ripple P/# 34000-07
 IBM Blue Ripple P/# 34000-79	 Charcoal Grey Ripple P/# 34000-34
 Light Grey Ripple P/# 34000-41	 Sable Black TX P/# 34002-44

Profile B Console	BCA207644	N/A	4 kg
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This console matches the Profile A console and is suited for a desk top PC etc.

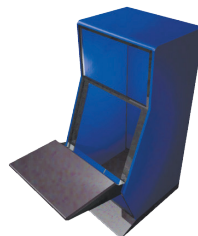


### Available in the following colours:







 APO Grey Ripple P/# 34000-81	 Gypsy Beige Ripple P/# 34000-07
 IBM Blue Ripple P/# 34000-79	 Charcoal Grey Ripple P/# 34000-34
 Light Grey Ripple P/# 34000-41	 Sable Black TX P/# 34002-44

Profile C Console	BCA207645	N/A	8 kg
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Profile C offers the same above and below desk usable spaces as the profile A, with a further 8RU (355mm) area above. This is generally used for additional smaller monitors, often two C.C.T.V. units mounted side by side. It also suits equipment that is not suited to inclined mounting.



### Available in the following colours:

 APO Grey Ripple P/# 34000-81	 Gypsy Beige Ripple P/# 34000-07
 IBM Blue Ripple P/# 34000-79	 Charcoal Grey Ripple P/# 34000-34
 Light Grey Ripple P/# 34000-41	 Sable Black TX P/# 34002-44

Part Number	PKG Type	Net Weight
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1U 19" rack blanking panel - colour black

BCA207626

N/A

0.15 kg

Powder coated 1U blank 19" rack panel.



**Includes:-** fasteners

2U 19" rack blanking panel - colour black

BCA207627

N/A

0.25 kg

Powder coated 2U blank 19" rack panel.



**Includes:-** fasteners

2RU Microphone mounting panel - colour black

BCA207629

N/A

1.9 kg

This 2RU panel has a microphone clip at its centre.



**Includes:-** fasteners

Modem shelf to suit 39U and 20U rack

BCA207641

N/A

1.9 kg

19" shelf to suit modems or other freestanding equipment to be mounted in racks.



**Includes:-** fasteners

9RU 19" Suprobox plastic rack - colour black

MW-55577

N/A

24 kg

Shock and vibration protection polymer transport case including metal frame suspended by shock mounts. IP65 and MIL-STD-810G rated for water and dust ingress.



9RU 19" Suprobox plastic rack - colour green

MW-55578

N/A

24 kg

Shock and vibration protection polymer transport case including metal frame suspended by shock mounts. IP65 and MIL-STD-810G rated for water and dust ingress.





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# **High Power Antennas, masts, and accessories**





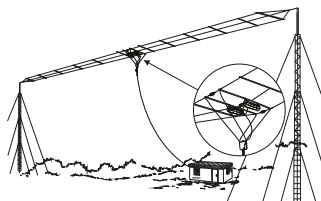
	Part Number	PKG Type	Net Weight
912 Multi-wire broadband dipole (2 - 30 MHz) - 500 W PEP	BC91202	N/A	25 kg

27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors

**Note:-** Masts illustrated not included. See mast section of catalogue.



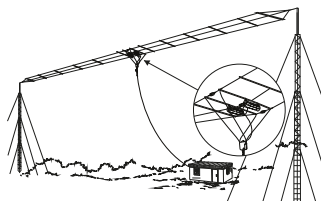
912 Multi-wire broadband dipole (3.6 - 30 MHz) - 1 kW continuous	BC91203	N/A	25 kg
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27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors and UHF to N-type adaptor

**Note:-** Masts illustrated not included. See mast section of catalogue.



912 Multi-wire broadband dipole (2 - 30 MHz) - 1 kW continuous	BC91207	N/A	50 kg
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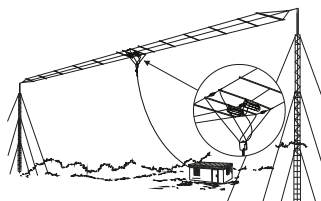
54 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors and UHF to N-type adaptor

**Notes:-**

- Ground catenary and Masts illustrated not included. See mast section of catalogue.
- This antenna requires minimum 15M Lattice masts to handle the forces to lift into horizontal configuration.
- We do not recommend inverted "V" configuration for this antenna.



Part Number	PKG Type	Net Weight
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## 10 Metre Mast - With Nylon Guys for Ground Mounting

BC90205

N/A

27 kg

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 guy ropes and one back-stay guy rope to counter the weight of the antenna. Pegs, shackles and pins for the base plate are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

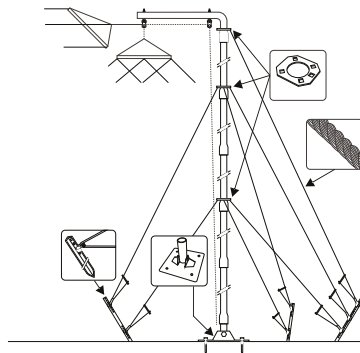
P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

P/N: BC91203



### Specifications

Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

## 10 Metre Mast - With Nylon Guys for Flat Roof Mounting

BC90205FR

N/A

27 kg

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 guy ropes and one back-stay guy rope to counter the weight of the antenna. Cleats, shackles and masonry anchors are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

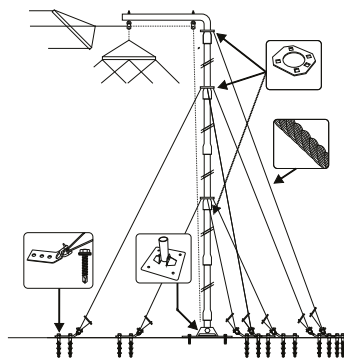
P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

P/N: BC91203



### Specifications

Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

## 10 Metre Mast - With Nylon Guys for Pitched Roof Mounting

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 guy ropes and one back-stay guy rope to counter the weight of the antenna. Cleats, shackles and screws appropriate for tin roofs are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

P/N: BC91203

### Specifications

Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

## 10 Metre Mast - With Stainless steel Guys for Ground Mounting

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guywires and one back-stay guywire to counter the weight of the antenna. Pegs, shackles and pins for the base plate are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

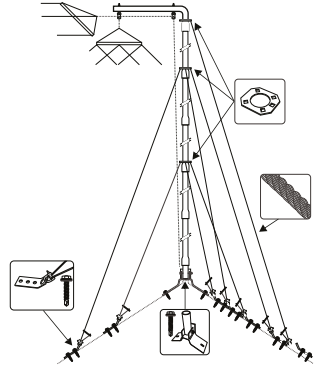
P/N: BC91203

### Specifications

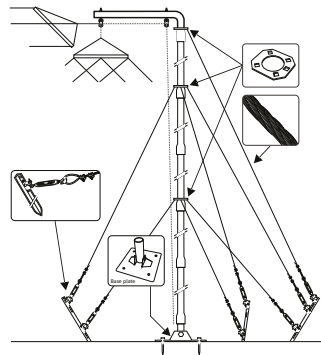
Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

Part Number	PKG Type	Net Weight
BC90205PR	N/A	27 kg



BC90206	N/A	32 kg
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## 10 Metre Mast - With Stainless steel Guys for Flat Roof Mounting

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guywires and one back-stay guywire to counter the weight of the antenna. Cleats, shackles and masonry anchors are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

P/N: BC91203

### Specifications

Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

## 10 Metre Mast - With Nylon Guys for Pitched Roof Mounting

This air transportable mast consists of 5 x 2m aluminium sections inserted on top of each other with a 1.5 m antenna support outrigger on the top section. There are 3 sets of 2 stainless steel guy wires and one back-stay guy rope to counter the weight of the antenna. Cleats, shackles and screws appropriate for tin roofs are supplied.

### Compatible Barrett antennas

912 HF Single-wire broadband dipole 150W

P/N: BC91201

912 HF Multi-wire broadband dipole 150W

P/N: BC91200

912 HF Multi-wire broadband dipole 500W

P/N: BC91202

912 Multi-wire broadband dipole 1 kW

P/N: BC91203

### Specifications

Packed dimensions: 2000mmx 200mmx 350mm

Wind rating: 120 kph

Part Number

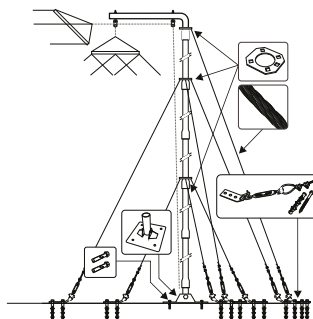
PKG Type

Net Weight

BC90206FR

N/A

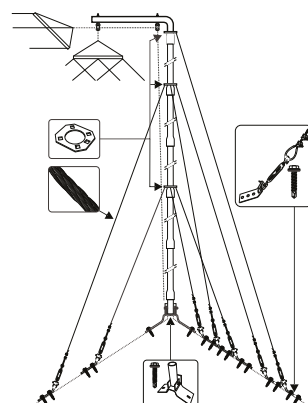
32 kg



BC90206PR

N/A

27 kg



Part Number

PKG Type

Net Weight

## 10 Metre Rapid Deployment Mast

2090-02-21

N/A

24 kg

This rapid deployment air transportable 10m mast consists of 2.1 metre aluminium sections with collared end joints, inserted on top of each other. Lower heights are achievable by using fewer sections. A tubular horizontal mounting arm, with pulleys, attaches to the top of the mast to enable large wire antennas to be raised in place once the mast is erected. The supplied 1 metre vertical extension can be added at the top of the mast to increase the maximum height to 11 metres. This extension enables more than one antenna to be easily mounted.

### Compatible Barrett antennas

HF 912 Single-wire broadband dipole 150 W

P/N: BC91201

HF 912 Multi-wire broadband dipole 150 W

P/N: BC91200

HF 912 Multi-wire broadband dipole 500 W

P/N: BC91201

(HF Rapid deployment wire dipole 125W

P/N: 2090-02-01

HF Rapid deployment broadband dipole 125 W

P/N: 2090-02-03

HF Rapid deployment two wire broadband dipole

150 W P/N: 2090-02-20

VHF Tactical rapid deployment antenna

P/N: 2086-02-10

VHF Tactical rapid deployment antenna

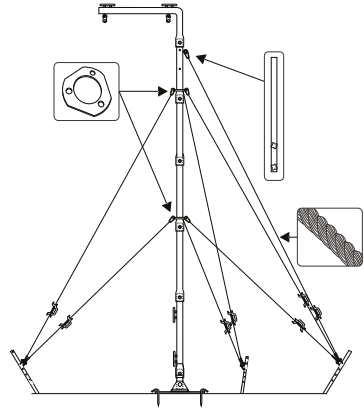
P/N: 2086-02-10

VHF 30 to 108 MHz elevated wideband antenna

P/N: 2083-02-03

VHF 30 to 108 MHz centre-fed whip antenna

P/N: 2083-02-01



Part Number	PKG Type	Net Weight
BC90216	N/A	100 kg

## Lattice Tower ready kit - H:12.7 metres Guyed

Tower Ready Kit - 12.7m guyed steel lattice mast.

### Includes:-

- 8 X Tower Mounting Platform Kit / D: 260 / H: 1500 (4 X RV10080)
- 1 X Tower Mounting Top Kit (1 X RV10079)
- 1 X Tower Mounting Base Kit (1 X RV10078)
- 170m Steel Rope 3mm Hot-Dip Galvanized, Din 3055, Construction 6x7
- 12 X Turnbuckle M8 (Eye/Eye)
- 72 X Rope Clamp 3 Mm
- 12 X Shackle M10 (10mm)
- 6 X Concrete Anchor 12m X 200mm
- 12 X Thimble 4-5mm

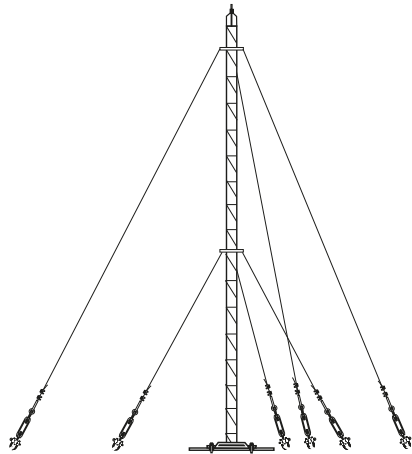


### Note:-

- Due to the volumetric shipping nature of masts and cost of airfreight we strongly recommend antenna masts are sourced locally at destination.
- Mast depicted is a representation only.

### Compatible Barrett antennas

All Barrett antennas are compatible with this mast.



Part Number

PKG Type

Net Weight

Halyard and pulley kit - to suit 912 Broadband antennas

BCA91201

C6

1.2 kg

**Includes:-**

- 2 off stainless steel pulleys
- 100 metres of 4 mm braided nylon halyard



Halyard and pulley kit (Heavy) - to suit 91207 54 metres Broadband antenna

BCA90203

C6

1.8 kg

**Includes:-**

- 2 off stainless steel pulleys
- 100 metres of 6 mm heavy braided nylon halyard



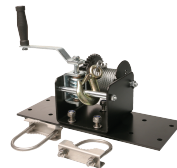
2000lb (907Kg) Capacity worm gear portable or mountable hand winch with bracket and mounting hardware

BC90217

N/A

10 kg

We recommend the use of this winch to facilitate the lifting of the BC91207 54M Multi-Wire Broadband dipole antenna to prevent injury due to the antenna's substantial lifting weight.



Part Number	PKG Type	Net Weight
BC91713	N/A	N/A

10 m (35ft) GMDSS Marine high power whip antenna 3-30 MHz (500W/1KW)









- Notes:-**
- For use with BC407508 1 kW Automatic antenna tuner (Lencom ATU).
  - Not suitable for 500W/1KW operation below 3MHz
  - Suitable counterpoise/ground plane required for ground installation, see BCA407550 Multi Radial Earth Matt/Ground plane counterpoise kit.





# **Coaxial Cables and accessories**



	Part Number	PKG Type	Net Weight
<b>RG58</b> Single Screen Coaxial Cable - 50 Ohm Sold per metre	CA-06512	N/A	N/A
			
<b>Male connector</b> RG-58 Male Crimp-On BNC Connector	CN-04028	N/A	0.1 kg
			
<b>RG213</b> Coaxial Cable, Transmission, RG213, 50 ohm Sold per metre	CA-06513	N/A	N/A
			
<b>N-type Male connector (Crimp type for RG213)</b> RF / Coaxial Connector, N Coaxial, Straight Plug, Crimp, 50 ohm, RG8, RG213	BCA90048	N/A	0.1 kg
			
<b>N-type Female connector (Crimp type for RG213)</b> RF / Coaxial Connector, N Coaxial, Straight Jack, Crimp, 50 ohm, RG213	BCA90058	N/A	0.1 kg
			
<b>UHF (PL259) Male connector (Crimp type for RG213)</b> RF / Coaxial, UHF Plug, Straight, Crimp	BCA407556	N/A	0.1 kg
			
<b>N-type Female barrel connector</b> Adaptor - N Type Jack to N Type Jack Barrel	BCA90059	N/A	0.1 kg
			
<b>CNT-400 (LMR 400)</b> Double Screened Coaxial Cable - 50 Ohm - 2 Type: Al Foil TC Braid Sold per metre.	BCA90057	N/A	N/A
			

	Part Number	PKG Type	Net Weight
CNT-400 (LMR 400) N-Type Male connector	BCA407557	N/A	0.1 kg

RF Coaxial, N Plug, 50 Ohm, for LMR 400 cable



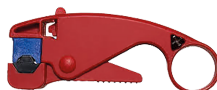
CNT-400 (LMR 400) N-Type Female connector	BCA407558	N/A	0.1 kg
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RF Coaxial, N Jack, 50 Ohm, for LMR 400 cable



STRIPPING TOOL, LMR-400 COAX CABLE	BCA407559	N/A	0.5 kg
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For Use With: LMR-400 Type Coax Cables



Crimping Tool, LMR-400 COAX CABLE	BCA407560	N/A	0.5 kg
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For Use With: LMR-400 Type Crimp Connectors



LDF4-50 Coax Cable	BCA90060	N/A	N/A
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Andrew Corrugated - LDF4-50 Heliax® Excellent Intermodulation Performance, Complete RF shielding, Phase stability, Low attenuation High power capability. Sold per metre



N-type Male connector (LDF4/50)	BCA90061	N/A	0.1 kg
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N -Type Male - LDF4-50



Part Number	PKG Type	Net Weight
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N-type Female connector (LDF4/50)

BCA90062

N/A

0.1 kg

N-Type Female - LDF4-50



LDF4-50 Automatic cable preparation tool

BCA90063

N/A

0.5 kg

EASIAx Plus automated cable prep tool, 1/2"  
Coax - LDF4-50



Stainless Steel cable ties

BCA90064

N/A

0.1 kg

- Superior strength
- Ideal for use indoors, outdoors or underground
- Choose desired width and length
- Resistant to corrosion, salt, acids, chemicals, radiation, extreme temperatures and all weather conditions
- Install with full confidence that the Grade 316 Stainless Steel will maintain integrity over many decades.



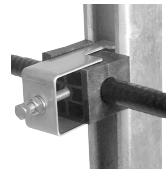
Coaxial cable tower clamps

BCA90065

N/A

0.25 kg

- KwikClamp - 1/2" Cable Single Run
- Material type: Stainless Steel
- Ideal for installing single runs on towers where space is limited
- Self clamping hangers eliminate the need for drilling or adaptors
- Ideal for multiple run cable hangers designed exclusively for European style towers
- Cost effective KwikClamp cable hangers eliminate the need for drilling and adapters
- These self-clamping cable hangers attach directly to round or flat tower members, providing sturdy, reliable, long-term support to systems





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# **Lightning protection and earthing (grounding)**





Part Number

PKG Type

Net Weight

Lightning arrester 400 W

BCA90034

T1 &amp; C6

2.05 kg

**Includes:-**

- 1 x Lightning arrester module PO-00020
- 1 x 5 metres length of RG58 Coaxial cable with PL259/UHF (male)
- 1 x Steel dolly
- 1 x 3 metres earth braid
- 1 x Brass cable clamp assembly
- 1 x Copper plated steel earth rod



Lightning arrester 1 Kw

BCA207503

T1 &amp; C6

2.45 kg

**Includes:-**

- 1 x Lightning arrester module PO-00024
- 1 x 5 metres length of RG213 Coaxial cable with PL259/UHF (male)
- 1 x Steel dolly
- 1 x 3 metres earth braid
- 1 x Brass cable clamp assembly
- 1 x Copper plated steel earth rod



Lightening arrester module 400 W

PO-00020

N/A

0.1 kg

Inline lightening protection module



Lightening arrester module 1 Kw

PO-00024

N/A

0.1 kg

Inline lightening protection module



Part Number	PKG Type	Net Weight
PO-00021	N/A	0.01 kg

Lightening arrestor insert - 400 W

Insert pellets suitable for up to 400W RF Power



Lightening arrestor insert - 1Kw

Insert pellets suitable for up to 1KW RF Power

Part Number	PKG Type	Net Weight
PO-00022	N/A	0.01 kg



Earthing cable 70 mm

19 strands with each strand being 2.14 mm with an overall diameter of 9.6 mm

Part Number	PKG Type	Net Weight
PO-00023	N/A	0.48 kg/m





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