9.0 Copper Jointing Closures

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Introduction

HellermannTyton offer a range of 3 compact cap ended ready access copper jointing closures used in underground and aerial installations.

The LRBU is a 100 pair enclosure with 2 base configurations, a 9 port and 11 port which offer 8 or 10 round ports and 1 oval port for loop through applications.

The RBU is a 50 pair enclosure with an 11 port base configuration offering 10 round ports and 1 oval port.

The MRBU is a 30 pair enclosure with 2 base configurations a 4 port and 13 port which offer 3 or 12 round ports and a single oval port.

The cover is environmentally sealed to the base using an 'O' ring and quick release clamp. The cable entry/exit points in the base are environmentally sealed using either Cablelok mechanical seals or heatshrink.

HellermannTyton copper closures are supplied in standard ready to use configurations. Port seals (Cablelok and heatshrink) and accessories (e.g. mounting brackets) must be ordered separately.

Features and Benefits

• Ideal for housing of copper cable splices

• 3 sizes of closure

• Accommodates up to a maximum of 100 pair cables (LRBU)

• 4 base configurations over the 3 closure options

• A maximum of 12 round ports and 1 oval port (for loop through cable) (MRBU)

• Multi-port base configurations over 3 closure options

• Cablelok compatible for all port sizes

• Quick release cover clamp

• Accessory wall mounting bracket

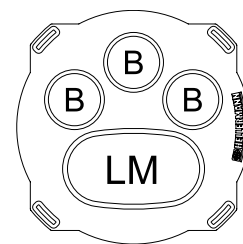• For use in underground and aerial applications
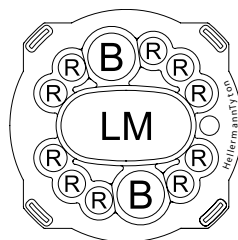
13 Port Base Configuration (Cablelok Only)
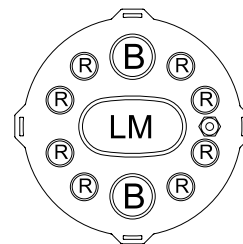
11 Port Base Configuration
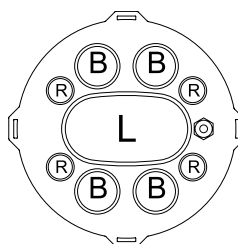
9 Port Base Configuration

4 Port Base Configuration

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13 Port Base

Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
LM	1	2 x 4.0 – 15.0	-
B	2	4.8 – 16.5	-
R	10	1.7 – 9.5	-

11 Port Base

Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
LM	1	2 x 4.0 – 15.0	2 x 8.0 – 22.0
B	2	4.8 – 16.5	6.0 – 19.0
R	8	1.7 – 9.5	-

9 Port Base

Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
L	1	2 x 5.5 – 20.0	2 x 12.0 – 24.0
B	2	4.8 – 16.5	6.0 – 19.0
R	8	1.7 – 9.5	-

4 Port Base

Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
LM	1	2 x 4.0 – 15.0	2 x 8.0 – 22.0
B	2	4.8 – 16.5	6.0 – 19.0
R	10	1.7 – 9.5	-

Cover Reference	Closure Width (mm) D1	Length (mm)	Base Type	No. of Ports	Maximum No. of Pairs
A	130	435	LRBU	9	100
A	130	435	LRBU	11	100
A	130	269	RBU	9	50
A	130	310	MRBU	4	30
A	130	310	MRBU	13	30

Part Number Identification

Identifying the correct part number is a simple process:

STEP 1	Decide the maximum number of pair cables the enclosure is required for.
STEP 2	Decide the number of ports required.

For additional information on tray types, splice protectors and splice capacity please refer to Chapter 12.

Closure Type: **T B A X X** Closure Length, Basket, Base, Tray Type **X**, Tray Quantity **X**, Type of Insert **X**

STEP 1:
- LRBU – LRB
- RBU – RBU
- MRBU – MRB

STEP 2: Loop Storage Basket
- X – No Basket Available

STEP 3: Base
- F – 4 Port Base
- N – 9 Port Base
- E – 11 Port Base
- T – 13 Port Base

STEP 4: Tray Type
- X – No Tray Option

STEP 5: Tray Quantity
- X – Zero

STEP 6: Tray Insert
- X – No Tray Option

Copper Jointing Closures
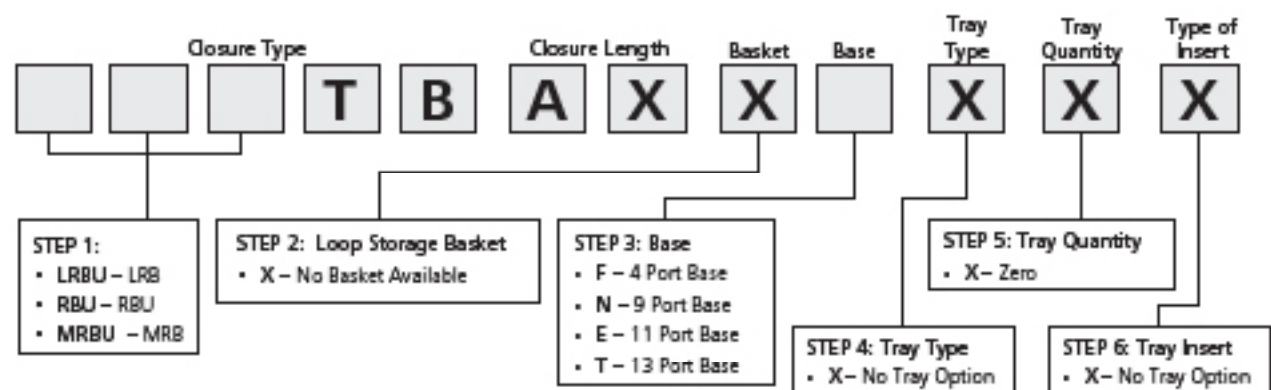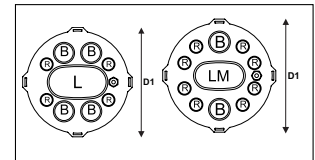
LRBU 100 Pair Closure

Features and Benefits
- Maximum 100 pair cable capacity
- Cover length of 435mm
- 2 base configurations a 9 port and 11 port which offer 8 or 10 round ports and 1 oval port
- Cablelok compatible for all port sizes
- Quick release cover

LRBU Closure showing 9 and 11 Port Base
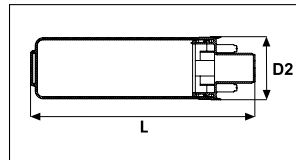
LRBU Closure Dimensions

9 Port Base Configuration and 11 Port Base Configuration

Technical Description

The LRBU closure is supplied with a Polypropylene base. Two base configurations of 10 round ports and 1 oval port or 8 round ports and 1 oval port which cover a cable diameter range of 1.7 - 20.0mm (for the 9 Port Base, or 1.7 - 16.5mm for the 11 port Base) when using Cablelok mechanical seals and 6.0 - 24.0mm (for the 9 Port Base, or 6.0 - 22.0mm for the 11 Port Base) when using heatshrink (R ports excluded). The cover diameter and length are 130 x 435mm and each closure has a maximum capacity of 100 copper pairs.

TYPE	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Port count	Port	Article-No.
LRBTB-AXXNXXX	130	130	435	Cablelok, Heatshrink	9	L, B, R	857-10048
LRBTB-AXXEXXX	130	130	435	Cablelok, Heatshrink	11	LM, B, R	857-10049

All dimensions in mm. Subject to technical changes.

Content of Set/Kit
- LRBU 11 Port or 9 Port Base
- A-Length Cover
- Quick Release Clamp
- Sealing 'O' Ring
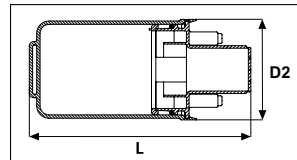- Desiccant
- Cable Ties

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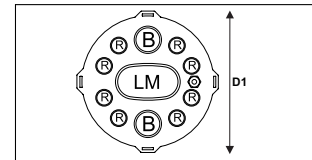
RBU 50 Pair Closure

Features and Benefits
- Maximum 50 pair cable capacity
- Cover length of 269mm
- Single base configuration 11 ports (10 round ports and 1 oval port)
- Cablelok compatible for all port sizes
- Quick release cover

RBU 11 Port Closure

RBU Closure Dimensions

11 Port Base Configuration

Technical Description

The RBU closure is supplied with a Polypropylene base. A single configuration of 10 round ports and 1 oval port which covers a cable diameter of 1.7 - 16.5mm when using Cablelok mechanical seals and 6.0 - 22.0mm when using heatshrink (R ports excluded). The cover diameter and length are 130 x 269mm and the closure has a maximum capacity of 50 copper pairs.

TYPE	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Port count	Port	Article-No.
RBUTB-AXXEXXX	130	130	269	Cablelok, Heatshrink	11	LM, B, R	857-10050

All dimensions in mm. Subject to technical changes.

Content of Set/Kit
- RBU 11 Port Base
- A-Length Cover
- Quick Release Clamp
- Sealing 'O' Ring
- Desiccant
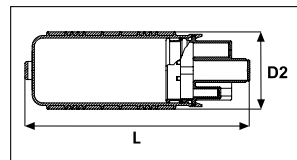- Cable Ties

Copper Jointing Closures

MRBU 30 Pair Closure
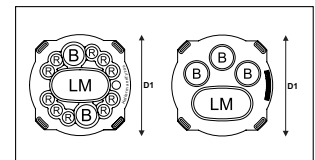
Features and Benefits
- Maximum 30 pair cable capacity
- Cover length of 310mm
- 2 base configurations a 4 port and a 13 port which offer 3 or 12 round ports and 1 oval port
- Cablelok compatible for all port sizes
- Quick release cover

MRBU Closure showing 4 and 13 Port Base

MRBU Closure Dimensions

13 Port Base Configuration and 4 Port Base Configuration

Technical Description

The MRBU closure is supplied with a polypropylene base. Two base configurations of 12 round ports and 1 oval port or 3 round ports and 1 oval port which cover a cable diameter of 1.7 - 16.5mm (for the 4 and 13 Port Base) when using Cablelok mechanical seals and 6.0 - 22.0mm when using heatshrink (for the 4 Port Base). The cover diameter and length and 110 x 310mm and each closure has a maximum capacity of 30 copper pairs. Note: Heatshrink can only be used with the 4 port version.

TYPE	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Port count	Port	Article-No.
MRBTB-AXXFXXX	110	110	310	Cablelok, Heatshrink	4	LM, B	857-10051
MRBTB-AXXTXXX	110	110	310	Cablelok, Heatshrink	13	LM, B, R	857-10052

All dimensions in mm. Subject to technical changes.

Content of Set/Kit
- MRBU 13 or 4 Port Base
- A-Length Cover
- Quick Release Clamp
- Sealing 'O' Ring
- Desiccant
- Cable Ties

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