

A Clarience Technologies Company

CABLE HARNESS & LIGHTING SYSTEM

Version 5.7 - 2024

Functional, Long Lasting Quality

Innovative Harness System

The key to this system is its flexibility, offering every conceivable option for various lighting functions to be added at any point in the truck harness line.

Flexibility/Versatility

Cable lengths range from 0.25m to 15m combined with heavy duty connector covers for every plug and connector assembly point with a breaking strain exceeding 25kg, making this a heavy duty and robust truck harness assembly.

Colour Coded

All assembly plugs are colour coded to their specific function. Example - The Brown plug is for Marker Lamps. When requiring a marker lamp, add a brown plug in the harness line. The Yellow (LHS) or Green (RHS) plug is for Side Direction Indicator Lamps. When requiring a Side Direction Indicator lamp, add a yellow or green plug whether left or right hand side in the harness line.

DG Rating & Road Train

Cables and covers manufactured to comply with DG (Dangerous Goods) Rating. Inspected by Worksafe Victoria and in accordance with DG-150424-1, DG-150424-2 in relation to the electrical wiring requirements as it applies to dangerous goods road vehicle bulk tankers, in accordance for usage with petrol and gas tankers. Cabling and lighting comply with AS2809 parts 1 & 2. You can achieve Road Train Compatibility to ADR 63/00 on all drawings using the 7 Core (6mm) RTC cable & plugs. See Page 6 & 44-45 for more information.

Labour Costs

Designed specifically to be easily and quickly installed without the need to cut, splice, solder, join or tape wire joins, reducing fitting times with its simple plug in design. Expect to reduce lighting assembly labour costs by up to 75%.

Warranty

Five year warranty for all truck & trailer vehicles and a one year warranty for livestock carrying trailers.



- Add any Light Anywhere in the Harness System
- Easily Replace Damaged Lighting with Minimal Downtime
- Heavy Duty Water-resistant Cable, Plugs and Connectors
- Colour Coded Plugs to the Colour of the Wire Function
- All Large Vehicles and Trailers
- All Lights Compliant with ECE or ADR
- Cable System Compliant with Dangerous Goods (AS2809)
- All Drawings Compatible with Road Train (Page 6 & 44-45)
- 5 Year Warranty, Livestock Transport 1 Year Warranty
- RoHS Compliant Cables, Plugs and Lights

Cable and Wire

TWP Cable (Thin wall thermo plastic) and PVC Automotive primary wire complying with SA-J1128, Annealed copper wire in compliance with ASTMB3, RoHS compliant Lead free copper wire with operating temperature between -40°c to +85°c - Harness system tested to B-Double requirements when LEDs are used. Please refer to wire gauge table below for further information regarding wire gauge and amperage.

Function	Wire Colour	Gauge	Rated Amp	Draw @13.8V	Maximum Lamps	Diameter (mm)	Area (mm²)	Resistance (Ohms/1000ft)
Earth	White	14	20	-	-	1.62814	2.08	2.525
Accessory	Blue	16	10	2.0A	-	1.29032	1.31	4.016
Stop	Red	18	8	0.47A	16 Lamps	1.02362	0.823	6.385
Left Indicator	Yellow	20	5	0.42A	10 Lamps	0.8128	0.518	10.15
Right Indicator	Green	20	5	0.42A	10 Lamps	0.8128	0.518	10.15
Marker	Brown	20	5	0.05A	120 Lamps	0.8128	0.518	10.15
Reverse	Black	20	5	0.59A	8 Lamps	0.8128	0.518	10.15



Australian First Dual Function Marker/Indicator Lamp

Introducing the All-New 97 series side marker/indicator combination lamp, which is Australian road approved for Category five side direction indicator as well as an amber/red side marker. The lamps are large trailer plugin harness compatible, enabling them to be easily daisy-chained down the length of the vehicle or incorporated into existing harness setup. Adaptability allows you to add any combination of marker lamps or marker/indicator lamps.



Single Function Lamp Adaptability Or Additional Lamps From Main Cable

Many customers still prefer to use the recessed type rectangle or round lights for their trailer builds. The 7CFS series of plugs allows this to happen by splitting from the main cable a series of individual cables and plugs to suit Stop/Tail Lamps, Indicator Lamps and Reverse Lamps.





Trailer compliance for use in road train is made possible with our 7CRTC range of Road Train Cables. We use a 7 Core (6mm) RTC cable that's Australian made, conforms to applicable standards and is professionally adapted to our cable harness and lighting system. Both options available have a total extended length of 15.5m and use high-quality 12V, ISO 1724 and 24V, ISO 1185/ DIN 7579 corrosion-resistant aluminium 7 Pin sockets. The standard 7CRTC also offers 2 Core and 7 Core harness plugs, whilst the 7CRTCRT is suited to retractable skeletal trailers when combined with a retractable Suzi cable (See page 24-25). It also includes our cable harness and lighting system 7 Core plug.

Specifications

6.0mm Seven Core Cable Black Sheath PVC Insulation to AS3191 Voltage Rating up to 110V Strand Diameter: 0.3mm Number of Strands: 65 Conductor Cross Section: 5.22mm2 Wire Colours: Green, Yellow, Blue, Red, White, Black , Brown



•ROHS •V90 •OXYGEN FREE •LEAD FREE PVC - E.L.V. ONLY



Power Patch Cables For Vehicle Lighting

The Rigid body trucks can also benefit from this system with many possibilities to advance your lighting and wiring options. We now offer a range of Power Patch Cables that taps into the vehicle's existing rear lighting harness, enabling the addition of markers, high-level combination lamps or trailer sockets without time-consuming wiring. This innovative system will give you the flexibility and adaptability to compliment your O/E fitting requirements saving you time and money.



We have break-out patch cables to suit many Rigid Truck Brands. If you require a specific application, please call us to discuss your requirements.







Detailed Explanation in Our Patch Harness Catalogue on page 38-61





7 Core Cables with Male & Female Plugs

The cable we have chosen for this harness system is used widely in the automotive industry and complies with SA-J1128 Standards. The cable width is 9.5mm, Male & Female plug diameter is 18mm. The plugs we have designed are 100% water-resistant, with a unique double sealing lip that will not allow water ingress. The covers for the plugs have been created for extra strength and engineered to a breaking strain of 25kg. The connection cover ensures a secure fitment and completes Dangerous Goods Rating AS2809.



2 Core Cables with Male & Female Plugs or Female Plugs with Bare Wires

The cable we have chosen for this harness system is used widely in the automotive industry and complies with SA-J1128 Standards. The cable width is 6mm, Male & Female plug diameter is 9mm. The plugs we have designed are 100% water-resistant, with a sealing lip that will not allow water ingress. The covers for the plugs have been created for extra strength and engineered to a breaking strain of 15kg. The connection cover ensures a secure fitment and completes Dangerous Goods Rating AS2809.



7 Core Cables with Male Plug and Bare Wires

The cable we have chosen for this harness system is used widely in the automotive industry and complies with SA-J1128 Standards. The cable width is 9.5mm, Male plug diameter is 18mm. The plugs we have designed are 100% water-resistant, with a unique double sealing lip that will not allow water ingress. The covers for the plugs have been created for extra strength and engineered to a breaking strain of 25kg. The connection cover ensures a secure fitment and completes Dangerous Goods Rating AS2809.



BREAKING STRAIN 25KG

3 Core Cables with Male & Female Plugs

The cable we have chosen for this harness system is used widely in the automotive industry and complies with SA-J1128 Standards. The plugs we have designed are 100% water-resistant, with a sealing lip that will not allow water ingress.

16 Gauge Cables for the Accessory Blue Wire

The heavy-duty truck harness system has provisions for an accessory product fitted via the 16 gauge blue wire. Plugin one of the adapter plugs into the harness system, then run a 2 Core cable to connect an accessory product.

Part No.	Length
2PF100/16G	1 Metre
2PF200/16G	2 Metre
2PF300/16G	3 Metre
2PF400/16G	4 Metre
2PF500/16G	5 Metre
	-

Important Note; Work lights on the harness system are an accessory and should be connected to the blue wire and not the reverse (black) wire. The maximum size work lamps allowable on the blue wire are 120 watts in a 12 volt system and 240 watts in a 24 volt system. If you need to run work lamps at the same time as the reverse light then the blue wire can be connected to the reverse wire at the front of the trailer.



Part No. Length	
3PMF.2B	20 CENTIMETRES
3PMF.5B	50 CENTIMETRES
3PMF1B	1 Metre
3PMF1.5B	1.5 Metre
3PMF2B	2 Metre
3 P M F 3 B	3 Metre
3 P M F 4 B	4 Metre
3PMF5B	5 Metre

JOINED PLUG IN COVER



BREAKING STRAIN 15KG

CABLE PLUG COVER



Part No.Size2PCB72mm x 15mm

Cables for Single Function Lamps

Many customers still prefer to use the recessed type rectangle or round lights for their trailer builds. The 7CFS series of plugs allows this to happen by splitting from the main cable a series of individual cables and plugs to suit 1) Stop/Tail Lamp 2) Indicator Lamp 3) Reverse Lamp.



Accessory Plugs for Individual Single Function Lamps

Colour coded depending on the function, the Accessory plugs allow other single-function recessed lamps that use the standard 3 Pin connectors to be used in the harness system.



Single Function Lamps with Plugin Cable Connector

Note: Visit our website, www.ledautolamps.com for further specifications and mounting information.



132 Series - Size 130mm x 86mm x 16mm 20см 20см CABLE CABLE WITH WITH Plug Plug Function Function Part No. Part No. Part No. Function 132WMCSB Reverse 132AMCSB INDICATOR 59401 GROMMET

Single Function Lamps Available for use with Accessory Plugs

113 Series - SIZE 109MM ROUND x 12MM







Part No. Function Part No. 113RMB STOP/TAIL

Function Part No. 113AMB INDICATOR 113WMB



Part No. Function 53401 GROMMET

110 Series - SIZE 109MM ROUND X 12MM



Function

110RMB STOP/TAIL

Part No.

Function

Function

INDICATOR/

Reflector

INDICATOR



Part No.

110WMB



Function Reverse

Part No. Function 53101 GROMMET

130 Series - Size 134mm x 86mm x 16mm

Part No.

130AMB



Part No. Function 130RMB STOP/TAIL/ Reflector



Function

INDICATOR

Part No.

130WMB

Function

Reverse

Function

Reverse



Part No. Function 59401 GROMMET

134 Series - Size 134mm x 86mm x 16mm

Part No.

110AMB



Function Part No. 134RMB STOP/TAIL/ Reflector



Part No.

134AMB



Part No.

134WMB

Function

Reverse/

Reflector



Part No. Function 59401 GROMMET



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Rear Combination Lamps







200 Series - Size 200mm x 134mm x 28mm

Part No	Function	Side	Cable
200CCARRMLCSB	Stop/Tail/Indicator	LEFT	20cm with Plug
200CCARRMRCSB	STOP/TAIL/INDICATOR	RIGHT	20cm with Plug

223 Series - Size 223mm x 96mm x 25mm

Part No	Function	Side	Cable
223BARMLCSB	Stop/Tail/Indicator	LEFT	20cm with Plug
223BARMRCSB	Stop/Tail/Indicator	RIGHT	20cm with Plug



280 Series - Size 282mm x 95mm x 28mm

Part No	Function	Side	Cable
280ARRMLCSB	STOP/TAIL/INDICATOR/REFLECTOR	LEFT	20cm with Plug
280ARRMRCSB	STOP/TAIL/INDICATOR/REFLECTOR	RIGHT	20cm with Plug
280ARWMLCSB	Stop/Tail/Indicator/Reverse/Reflector	LEFT	20cm with Plug
280ARWMRCSB	Stop/Tail/Indicator/Reverse/Reflector	RIGHT	20cm with Plug



355 Series - Size 356mm x 86mm x 35mm

Part No	Function	Side	Cable
355BARWMLCSB	STOP/TAIL/IND/REV/REF - BLACK CHROME	LEFT	40cm with Plug
355BARWMRCSB	STOP/TAIL/IND/REV/REF - BLACK CHROME	RIGHT	40cm with Plug
355ARWMLCSB	STOP/TAIL/IND/REV/REF - CHROME	LEFT	40cm with Plug
355ARWMRCSB	STOP/TAIL/IND/REV/REF - CHROME	RIGHT	40cm with Plug

Rear Combination Lamps

Note: Visit our website, www.ledautolamps.com for further specifications and mounting information.



385 Series - SIZE 387mm x 105mm x 30.5mm

Part No	Function	Side	Cable
385ARWMLCSB	Stop/Tail/Indicator/Rev, Diffused Tail	LEFT	40cm with Plug
385ARWMRCSB	Stop/Tail/Indicator/Rev, Diffused Tail	RIGHT	40cm with Plug



3851 Series - Size 387mm x 105mm x 30.5mm

Part No	Function	Side	Cable
3851ARWMLCSB	Stop/Tail/Indicator/Reverse/Reflector	LEFT	40cm with Plug
3851ARWMRCSB	Stop/Tail/Indicator/Reverse/Reflector	RIGHT	40cm with Plug



3852 Series - Size 387mm x 105mm x 30.5mm

Part No	Function	Side	cable
3852ARWMLCS	SB STOP/TAIL/INDICATO	R/REV, DIFFUSED TAIL LEF	T 40cm with Plug
3852ARWMRCS	SB STOP/TAIL/INDICATO		HT 40cm with Plug



3853 Series - Size 387mm x 105mm x 30.5mm

Part No	Function	Side	Cable
	Stop/Tail/Indicator/Rev, Diffused Tail	LEFT	40cm with Plug
3853ARWMRCSB	Stop/Tail/Indicator/Rev, Diffused Tail	RIGHT	40cm with Plug

Note: Visit our website, www.ledautolmaps.com for further specifications and mounting information.

Rear Combination Lamps



3854 Series - Size 387mm x 105mm x 30.5mm

Part No	Function	Side	Cable
3854ARWMLCSB	STOP/TAIL/INDICATOR/REV, RED DIFFUSED TAIL	LEFT	40cm with Plug
3854ARWMRCSB	STOP/TAIL/INDICATOR/REV, RED DIFFUSED TAIL	RIGHT	40cm with Plug
38541ARWMLCSB	Stop/Tail/Indicator/Rev, Grey Diffused Tail	LEFT	40cm with Plug
38541ARWMRCSB	STOP/TAIL/INDICATOR/REV, GREY DIFFUSED TAIL	RIGHT	40cm with Plug



3855 Series - Size 387mm x 105mm x 30.5mm

Part No	Function	Side	Cable
	Stop/Tail/Indicator/Reverse, Diffused Tail		40cm with Plug
3855ARWMRCSB	Stop/Tail/Indicator/Reverse, Diffused Tail		40cm with Plug



460 Series - Size 460mm x 130mm x 33mm

Part No	Function	Side	Cable
460ARRMLCSB	Stop/Tail/Indicator/Reflectors	LEFT	20cm with Plug
460ARRMRCSB	STOP/TAIL/INDICATOR/REFLECTORS	RIGHT	20cm with Plug
460ARWMLCSB	Stop/Tail/Indicator/Reverse/Reflectors	LEFT	20cm with Plug
460ARWMRCSB	Stop/Tail/Indicator/Reverse/Reflectors	RIGHT	20cm with Plug



520 Series - Size 520mm x 141mm x 28.5mm

Part No	Function	Side	Cable
520ARWMLCSB	STOP/TAIL/INDICATOR/REV, DIFFUSED TAIL	LEFT	40cm with Plug
520ARWMRCSB	STOP/TAIL/INDICATOR/REV, DIFFUSED TAIL	RIGHT	40cm with Plug

Rear Combination Lamps

Note: Visit our website, www.ledautolamps.com for further specifications and mounting information.



J3 Series - Size 595mm x 130mm x 45mm

Part No	Function	Side	Cable
J3BARRMLCSB	Stop/Tail/Indicator/Reflectors	LEFT	20cm with Plug
J3BARRMRCSB	Stop/Tail/Indicator/Reflectors	RIGHT	20cm with Plug
J3BARWMLCSB	Stop/Tail/Indicator/Reverse/Reflectors	LEFT	20cm with Plug
J3BARWMRCSB	Stop/Tail/Indicator/Reverse/Reflectors	RIGHT	20cm with Plug



595 Series - Size 595mm x 130mm x 45mm

Part No	Function	Side	Cable
595BARRMLCSB	Stop/Tail/Indicator/Reflectors	LEFT	40cm with Plug
595BARRMRCSB	Stop/Tail/Indicator/Reflectors	RIGHT	40cm with Plug
595BARWMLCSB	Stop/Tail/Indicator/Reverse/Reflectors	LEFT	40cm with Plug
595BARWMRCSB	Stop/Tail/Indicator/Reverse/Reflectors	RIGHT	40cm with Plug



595 Series - Size 595mm x 130mm x 45mm

Part No	Function	Side	Cable
595STIM3LCSB	Stop/Tail/Indicator/Reflectors	LEFT	40cm with Plug
595STIM3RCSB	Stop/Tail/Indicator/Reflectors	RIGHT	40cm with Plug

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J9 Series - Size 595mm x 130mm x 28mm

Part No	Function	Side	Cable
J9CCARRMLCSB	Stop/Tail/Indicator	LEFT	20cm with Plug
J9CCARRMRCSB	Stop/Tail/Indicator	RIGHT	20cm with Plug

97 Series Category 5 Side Direction Indicator/Marker Lamps



Black Bezel	-	Size	99мм	Х	47мм	Х	28mm	
							;	

Part No	Function	Cable
97ARIMCSB	Side Marker/ Cat5 Side	40cm
	DIRECTION INDICATOR	with Plug



Chrome Bezel -	Size	99мм	Х	47mm	х	28мм	
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Part No	Function	Cable
97CARIMCSB	Side Marker/ Cat5 Side	40cm
	DIRECTION INDICATOR	with Plug



Black Bezel	-	Size	99мм	Х	47мм	х	28мм
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Part No	Function	Cable
97AIMCSB	Side Marker/ Cat5 Side	40cm
	DIRECTION INDICATOR	with Plug



Chrome Bezel	-	Size	99мм	Х	47mm	Х	28мм
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Part No	Function	Cable
97CAIMCSB	Side Marker/ Cat5 Side	40cm
	DIRECTION INDICATOR	with Plug



Black Beze	-	Size	99мм	Х	47мм	Х	28мм
Part No	Fur	iction					Cable

SUPPLEMENTARY INDICATOR** WITH PLUG	97RIMCSB	Rear	End	OUTLI	NE	40cm	
	57 111002						



Chrome Bezel -	Size	99мм	Х	47мм	Х	28mm
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Part No	Function	Cable
	Rear End Outline	40cm
9708111030	SUPPLEMENTARY INDICATOR**	with Plug



Black Beze	- Size 99mm x 47mm x 28	Вмм
Part No	Function	Cable
97WIMCSB	FRONT END OUTLINE	40cm
57 WINC 5D	Supplementary Indicator**	with Plug



Chrome Bezel - Size 99mm x 47mm x 28mm

Part No	Function	Cable
97CWIMCSB	FRONT END OUTLINE	40cm
	SUPPLEMENTARY INDICATOR**	with Plug

Note:

** Supplementary Front and Rear Indicator is Non-ADR, to be used in conjunction with existing lamps

Marker Lamps and Side Direction Indicator Lamps

Note: Visit our website, www.ledautolamps.com for further specifications and mounting information.



5025 Series	-	Size	50мм	х	25мм	х	21mm
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Part No	Function	Cable
5025ARMCSB	Amber/Red	20см
JUZJANACJD	Side Marker	with Plug
5025RMCSB	Rear End	20см
JUZJKIICJD	OUTLINE MARKER	with Plug
5025AMCSB	SIDE DIRECTION	20см
JUZJANC3D	Side Marker	with Plug
5025WMCSB	Front End	20см
2022MIIC2D	OUTLINE MARKER	with Plug



58 Series -	-	Size	58мм	Х	35мм	Х	21mm
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Function	Cable
Amber/Red	20см
Side Marker	with Plug
Rear End	20см
OUTLINE MARKER	with Plug
SIDE DIRECTION	20см
Side Marker	with Plug
Front End	20см
Outline Marker	with Plug
	Amber/Red Side Marker Rear End Outline Marker Side Direction Side Marker Front End



37 Series - Size 70mm x 35mm x 20mm

Part No	Function	Cable
37ARMCSB	Amber/Red	20см
<i>977</i> Mario 02	Side Marker	with Plug
37RMCSB	Rear End	20см
J7 KHC3D	OUTLINE MARKER	with Plug
37AMCSB	SIDE DIRECTION	20см
57 APIC 3D	Side Marker	with Plug
37WMCSB	Front End	20см
J/WIIC3D	Outline Marker	with Plug



42	Series	-	Size	74mm	Х	38mm	Х	35мм
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Part No Function		Cable
42ARMCSB	Amber/Red Side Marker	20cm with Plug
42RMCSB	Rear End Outline Marker	20cm with Plug
42AMCSB	SIDE DIRECTION SIDE MARKER	20cm with Plug
42WMCSB	Front End Outline Marker	20cm with Plug



EU38 Series - Si	ze 100mm x	38mm x	13мм
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Part No	Function	Cable
EU38RMCSB	Rear End Outline Marker/Reflector	20cm with Plug
EU38AMCSB	Side Marker/ Reflector	20cm with Plug
EU38WMCSB	Front End Outline Marker/Reflector	20cm with Plug



181 Series -	Size	28мм	ROUND	Х	5мм
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Part No	Function	Cable
181RMCSB	Rear End	20см
TOTKIICOD	Outline Marker	with Plug
181AMCSB	Side Marker	20см
TOTAHC3D	SIDE MARKER	with Plug
181WMCSB	Front End	20см
TOTMLICOD	Outline Marker	with Plug

Reverse Accessory Products

Important Note; When Reverse lamps are run as an accessory in the reverse system then the maximum power allowable is 60 watts in a 12 volt system or 120 watts in a 24 volt system. It is recommended the work lamps when used as a reverse light should be run from the blue wire/splitters, see page 23. The following table should be followed if Reverse Lamps are already used in the system and more are to be added.



Part No Function Cable	
7312BMCSB 12 WATT REVERSE LAMP 20cm wi Plug	ΤН



Part NoFunctionCable2PF200ETBReverse Beeper20cm with
Plug2PF200RABReverse Beeper (DG)20cm with
Plug

Beeners - Size 100mm x 68mm x 41mm



/JIZ 30110	ð - SIZE	/5MM X /5M	M X SUMM
Part No	Function		Cable
754004000	40.11 5		20см with

7512BMCSB 12 WATT REVERSE LAMP

C--- 75.... v 75.... v 70....

Additional Reverse Lamps Max Combined Output in Watts

12 Volt System

46 Watts

36 Watts

24 Watts

No. Of Reverse Lamps

7519 Corioc

2

4

6



Part No	Function		Cable	
2PF200SQB	Reverse	Soliawker	20cm Plug	WITH

Sallawkers - Size 100mm x 68mm x 41mm

Rotating Beacon Accessory



LRB130 Beacon Size 130mm x 53mm

Part NoCableLRB130CSB13cm
WITH PLUG

Used with Blue Accessory Wire see page $23\,$

Licence Plate Lamps





60 Series SIZE 60MM x 22MM x 22MM

 Part No
 Cable

 60BLMCSB
 20cm with Plug



6434 Series

SIZE 65MM X 30MM X 24MM

24 Volt System

92 Watts

72 Watts

48 Watts

Plug

Part No	Cable	
6434CWMCSB	20см	
	WITH	Plug
6434BWMCSB	20см	
	WT T I I	D LUC





SIZE 70MM X 42MM X 40MM

Part No Cable

41 BL MC SB	20cm	
	WITH	Plug

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7 Core Main Plugs and Covers

The 7CJB rear junction splitters are designed to split the 7 Core cable into a left and right side for rear lighting functions of Stop/Tail, Indicator and Reverse. The 7CJB also has left and right side 2 pin plugs to connect licence plate and marker lamps. The 7P3WB is a 7 Core cable splitter which gives you the ability to add another rear combination lamp and continue the harness cable before terminating with a final rear combination lamp assembly. The covers available for the plugs have been created for extra strength and engineered to a breaking strain of 25 kg. The connection cover is for secure fitment and completes Dangerous Goods Rating AS2809.



Part No.

Size

7CJEB 200mm





 Part No.
 Size

 7 P 3 W B
 94 mm x 44 mm



Part No. Size 7PCB 193mmx50mm

7 Core Junction Splitter and Cover

The 7CJEB 7 Core Rear Junction Splitter Extension is used with the 7CJB, above to connect a 7 pin trailer base at the rear of the trailer. Its purpose is to connect another trailer to the existing harness system when using the 7CFTB rear trailer plug.



7 Core Trailer Base Front/Rear Termination

Heavy Duty, EBS, and 24 Volt Sockets available, see Page 24-25 for more information.



Part No. Size 7CMTB 200mm with Plug 12 Volt

200mm with Plug 24 Volt

7CFTB

Marker Lamp Splitters

Defined by its brown colour, the Marker lamp splitters split from the 7 Core cable and power the marker lamps. The 7CMFB has dual splitters at a right angle to the 7 Core cable. The 7CFFB also has dual splitters but runs parallel to the 7 Core cable. The 7CFFB is a single splitter that runs parallel to the 7 Core cable. The plugs have been created for extra strength and engineered to a breaking strain of 25kg. The connection cover is for secure fitment and completes Dangerous Goods Rating AS2809.



2 Core Splitters

The 2 Core splitter are used to split the 2 Core cable and powers Marker Lamps, Indicator (2 Core) lamps, Reverse lamps and Accessories. The plugs we have designed are 100% water-resistant, with a sealing lip that will not allow water ingress. The cover for the plugs have been created for extra strength and engineered to a breaking strain of 15kg. The connection covers ensures a secure fitment and completes Dangerous Goods Rating AS2809.









Indicator Lamp Splitters

Defined by its Yellow colour, the Indicator lamp splitters split from the 7 Core cable and power both the left and right-hand side indicator lamps. The 7CMIB has dual splitters at a right angle to the 7 Core cable. The 7CIRLB also has dual splitters but runs parallel to the 7 Core cable. The 7CIRLB are single splitters parallel with the 7 Core cable used for left-hand and right-hand indicators and defined by their colours Yellow for left and Green for right. The covers for the plugs have been created for extra strength and engineered to a breaking strain of 25kg. The connection cover is for secure fitment and completes Dangerous Goods Rating AS2809.



Dual Function Marker/Indicator Splitters

Defined by its Yellow colour, the Dual function Marker/Indicator lamp splitter split from the 7 Core cable and power both the left and right-hand side Indicator/Marker lamps. The 7CILR3B has dual splitters at a right angle to the 7 Core cable. The 3P3IMB is a plug that splits one cable into two, and this allows the fitter to add as many combination Indicator/Marker lamps as required. All connectors have covers available for secure fitment of the cables ensuring Dangerous Goods Rating AS2809.



Combination Left & Right Indicator

Part No.Size7CILR3B78mm x 37mm



Splitter Cover

Part No. Size CMMB 177mm x 44mm



Part No.Size3P3IMB62mmx28mm

Splitter Cover



Part No.Size2P3CB125mm x 35mm

Reverse Lamp Splitters

Defined by its black colour, the Reverse lamp splitters split from the 7 Core cable and power the reverse lamps and reverse beeper. The 7CRRB has dual splitters that run parallel to the 7 Core cable. The 7CRB is a single splitter that runs parallel to the 7 Core cable. The 2P3WB is a plug that splits one cable into two, allowing the fitter to add additional Reverse lamps. The cover for the plugs, created are engineered for extra strength to a breaking strain of 15kg for 2 Core and 25kg for 7 Core. The connection cover is for secure fitment and completes Dangerous Goods Rating AS2809.



Separate Stop/Tail Lamp Compatible with 3 Core Stop/Tail Plugs and Cables

The heavy-duty truck harness system has provisions for a separate stop/tail lamp. Plug in the stop/tail adapter, plug 7CSTB into the harness system, then run a 3 Core (3PMF) cable to connect a stop/tail lamp. If you require a second stop/tail lamp, then add the 3 Core splitter 3P3WB for an extra cable to connect the lamp. All connectors have covers available, ensuring Dangerous Goods Rating AS2809 and secure fitment with a breaking strain of 15kg for the cables.



Brake Control Lamp Splitter

Part No.Size7CSTB78mm x 37mm



Part No.SizeCMBB177mmx44mm



Part No.Size3P3WB62mmx 28mm



Part No.Size2P3CB125mm x 35mm

Brake Control or Accessory Splitter

Defined by its blue colour the 7CMBB has dual splitters at right angle to the 7 Core cable. The 7CBB has dual splitters that run parallel with the 7 Core cable. The 7CBB plug is a single splitter that runs parallel with the 7 Core cable. These splitters power the brake control or any accessory when brake control is not required. The covers for the plugs have been created for extra strength and engineered to a breaking strain of 25kg. The connection cover is for secure fitment and completes Dangerous Goods Rating AS2809.



Main Cable 7 Core Splitters

All assembly plugs are colour coded to its specific function. Example - The Brown plug is for Marker Lamps. When requiring a marker lamp, add a brown plug in the harness line. The Yellow (LHS) or Green (RHS) plug is for Side Direction Indicator Lamps. When requiring a Side Direction Indicator lamp, add a yellow or green plug whether left or right hand side in the harness line.



Standard/Heavy Duty Sockets, Plugs and Suzi Coils

These 7 pin connectors and Suzi coils are for electrical connection between a vehicle and a trailer. Both voltages available, 12V - ISO 1724 and 24V - ISO 1185/DIN 72579. The plugs and connectors either use corrosion-resistant aluminium or plastic materials with Nickel-plated Brass contacts.



Part No. Description 7PSOCKETSDB 7 PIN ALLOY STANDARD DUTY SOCKET, 12 Volt

Decembration

TOTAL EXTENDED

7 PIN SUZI COIL,

TOTAL EXTENDED

LENGTH 4.5M.

24 Volt.

60mm Coil Diameter, SHORT TAIL ENDS.

LENGTH 4.5M.

12-24 Volt.

Description



Part No. Description 7 P P L U G S D B 7 PIN ALLOY Standard Duty Plug, 12 Volt



Part No. Description 7PSOCKETHD24B 7 PIN ALLOY HEAVY DUTY SOCKET, 24 Volt



DIN 72579

Part No. 7PPLUGHD24B

Description 7 PIN ALLOY HEAVY DUTY PLUG, 24 Volt

Part no.	Description
7 P S U Z I 1 2 1 2	7 PIN SUZI COIL,
	60mm Coil Diamete
	SHORT TAIL ENDS,
	TOTAL EXTENDED
	LENGTH 4.5M,
	12 Volt.

Dowt No.

Part No.

7 P S U Z I 2 4 2 4

R, ISO/DIN

Part No. Description 7 P S U Z I 1 2 2 4 7 PIN SUZI COIL, 60mm Coil Diameter, SHORT TAIL ENDS.







Part No. Description 7PSUZI1M1212 7 PIN SUZI COIL, 60mm Coil Diameter, 1M LONG TAIL END, TOTAL EXTENDED LENGTH 5.6M, 12 Volt.

Part No.



Part No. Description 7PSUZI1M1224 7 PIN SUZI COIL, 60mm Coil Diameter, 1M LONG TAIL END. TOTAL EXTENDED LENGTH 5.6M. 12-24 Volt.

Description

60mm Coil Diameter,

1M LONG TAIL END.

TOTAL EXTENDED

LENGTH 5.6M.

24 Volt.

7PSUZI1M2424 7 PIN SUZI COIL.





ABS/EBS Sockets, Plugs and Suzi Coils

These connectors are specific for the ABS/EBS braking system between a truck, trailer or semitrailer, both for 12V and 24V systems. The ABS/EBS plugs, connectors conform to ISO/DIN 7638, and the materials used conform to ADR/GGVS norm requirements for vehicles transporting hazardous goods. The plugs are connected to the sockets with a steel bracket to avoid accidental disconnection. Mechanical resistance and water tightness guarantee an efficient and reliable electrical connection.





 Part No.
 Description

 7PSOCKETEBS24B
 7 PIN EBS SOCKET, 24 VOLT



 Part No.
 Description

 7PSOCKETEBS12B
 7 PIN EBS SOCKET, 12 VOLT



Part No. 7 P P L U G E B S M B

Description 7 Pin EBS Plug, 12/24V





Part No. 7 p s u z i e b s m b

Description

7 PIN SUZI COIL CONNECTORS WITH 300mm extended length from suzi coil on each side Total extended length 4.5m, 12/24 Volt **Part No.** 7psuziebsm1b

Description

7 PIN SUZI COIL CONNECTORS WITH 300mm and 1m extended length from suzi coil. Total extended length 5.6m, 12/24 Volt



1.5m

1.5m

1.5m

1.5m

1.5m

0.5m

-0

1.5m

0.5m

1.5m

Flat Bed Schematic 6 ---0 2.5m 2.5m 2.5m 2.0m 2.0m 2.0m 0.5m 2.5m 1.5m⊣ 2.0m 0.25m^J 1.0m 0.25m→ 0.25m→ 0.25m l `**↓**` 8.0m 8.0m 1.0m 1 0.25m 1.5m⊣ . 1.5m 1.5m 2.5m 2.0m 2.5m 2.0m 2.0m 2.0m 0.5m -0 ┢

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A-LEAD TRAILER Schematic





Curtainsider



Curtainsider Semi Schematic



CURTAINSIDER DROP-DECK SCHEMATIC





TO TOP OF TRAILER

Curtainsider with Dual Function Marker/Indicator

Curtainsider Semi Schematic





CURTAINSIDER RIGID Schematic





A&B Coupling Dolly/Tag



Lead/Middle Curtainsider





Standard Type Fuel Liquids Rigid/Tanker Trailer



Rigid Tanker Schematic







Tanker Trailer Schematic





3 Axle Dog Tipper Schematic







3 Axle Pig Tipper Schematic





Side Lifters and Drop Decks



SIDE LIFTER Schematic





Road Train Adaptability to ADR 63/00 Vehicle Standards



Trailer compliance for use in road train is made possible with our 7CRT range of Road Train Cables. We use a 7 Core (6mm) RTC cable that's Australian made, conforms to applicable standards and is professionally adapted to our cable harness and lighting system. Both options available have a total extended length of 5m, 13m, 14.5, 15.5m and 16m respectively and use high-quality 12V, ISO 1724 and 24V, ISO 1185/DIN 7579 corrosion-resistant aluminium 7 Pin sockets. The standard 7CRT also offers 2 Core and 7 Core harness plugs, whilst the 7CRT.RT is suited to retractable skeletal trailers when combined with a retractable Suzi cable (See page 24). It also includes our cable harness and lighting system 7 Core plug.



Dropdeck Schematic Example with P/N 7CRTC-155M Road Train Cable



DROPDECK SCHEMATIC EXAMPLE WITH P/N 7CRTCRT-10-5M ROAD TRAIN CABLE



Part No. **Cable Function** 7CRT-5M 5 METRES, 24V ONLY ROAD TRAIN CABLE FOR USE WITH 7CRT-13M 13 METRES, 12-24V 7CRT-155M 15.5 Metres, 12-24V

RETRACTABLE SUZI CABLE. INCLUDES 12V 7CRT-145M 14.5 Metres 12-24V & 24V 7 PIN SOCKETS AT BOTH ENDS 7CRT-16M 16 METRES, 12-24V WITH 2 CORE & 7 CORE PLUG ADAPTER.



Part No. **Cable Function** 7CRT.RT-6-5M 6/5 METRES 7CRT.RT-10-3M 10/3 METRES 7CRT.RT-10-5M 10/5 Metres

ROAD TRAIN CABLE FOR USE WITH RETRACTABLE SUZI CABLE (See page 24). Includes 12V & 24V - 7 Pin Sockets at THE REAR ALSO INCLUDES THE 7 CORE PLUG ADAPTER.

LED Autolamps

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