



Brigade Electronics

Adapter Application Guide

Issue 4.7

May 2023

Revision No.	Issue Date	Changed Section(s)	Detail of Change(s)
4.7	May 2023	Adapters	Added AC-H014(5M), AC-24-12(018), AC-H305 & BN360-LXXX
4.6	June 2021	Adapters & website link	Corrected VBV-XFM003 connector labels and included non-AHD text, added AC-074 & VBV-XHFM003, added AHD text to BN360-HXXXX, updated AC-035 description to 5 pin and corrected website link to drawings
4.5	November 2020	Table & Adapters	Changed title format, Manufacturers table updated to include Harman with prep Sept 2020>, added AC-24-12(012) Inline Voltage Regulator and BN360 HD Extension cable
4.4	April 2020	Adapters	Manufacturers table, added AC-24-12(010), (011) & (013) & HD cables
4.3	October 2019	Adapters	Added VBV-XM003 & VBV-XFM003
4.2	June 2019	Adapters	Added AC-065
4.1	May 2019	Adapters	Added AC-69(90)
4.0	December 2018	Adapters	AC-014(5M), AC-070 & AC-24-05(001) added, AC-008, AC-013, AC-017, AC-018 & AC-304 removed. Descriptions updated.
3.3	September 2017	All	AC-069 added, Various descriptions updated
3.2	February 2017	Adapters	AC-068 added, AC-24-12(004) Updated
3.1	Mar 2016	Adapters, In-Line adapters	Added AC-066, AC-067, AC-24-12(008) and AC-308, re-ordered In-line adapters section
3.0	July 2015	All	Added new adapters, corrected several issues, added notes to relevant cables, formatting changed to allow booklet format.
2.0	July 2014	All	Added several images, adapters, PDF links, connector types, extension cables

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## **Disclaimer**

Cable adapters that have been removed from this guide are now obsolete and no longer available.

**Please Note:**

Where **X** is displayed this means it can be replaced by any number.

**Disclaimer:** The adapters shown within this document are for use with Brigade Electronics products only, unless stated clearly in their individual description. Any adapter used incorrectly may cause severe irreversible damage to your equipment. Brigade Electronics will accept no liability for damage caused by using these adapters in conjunction with products from any other supplier, or for connecting devices that are not designed to be connected. Only the adapters shown in this document are available for purchase, lead times on the adapters may vary.

Specifications of the adapters are subject to change without prior notice.

**Drawings for adapter cables are available on the website under [Product Support Area - Product Data](#) – in the top box enter in the model or part number for the required product.**

## Adapter Cables by Manufacturer

Manufacturer	Specifications	Product Number
<b>Fendt</b>	Select (Molex M12)	<b>AC-044</b>
	Elite (Molex M12)	<b>AC-045</b>
<b>Iveco</b>	Iveconnect	<b>AC-24-12(007)</b>
<b>John Deere</b>	GS-3CC to Elite	<b>AC-041</b>
	GS-3CC to Select	<b>AC-042</b>
<b>MAN</b>	Harman (with prep) 2017-Sept 2020	<b>AC-068</b>
	Harman (without prep) 2017-2020	<b>AC-069 / AC-069-90</b>
	Harman (with prep) Sept 2020>	<b>AC-069 / AC-069-90</b>
	MMT HSD >2017	<b>AC-24-12(004)</b>
	TGE	<b>AC-070</b>
<b>Massey Ferguson</b>	5-way d-sub	<b>AC-050</b>
<b>Mercedes</b>	Actros/Arocs > 2019	<b>AC-24-12(002)</b>
	Actros/Arocs 2019 > (J9P)	<b>AC-24-12(010)</b>
	Sprinter (not inc. MBUX)	<b>AC-24-12(008)</b>
<b>Renault</b>	With video switch	<b>AC-24-12(006)</b>
<b>Scania</b>	Harman (without prep) 2017>	<b>AC-069 / AC-069-90</b>
<b>Volvo</b>	With video switch	<b>AC-24-12(006)</b>
<b>VW</b>	Crafter Infotainment 2018 >	<b>AC-070</b>

Please refer to the user manuals, drawings and contact the vehicle manufacturer for the correct compatibility.

## Catalogue Adapters

Model (Part) No.: AC-001 (1850)

Description: To replace 12VDC system BE-740/756M monitor with VBV-750M monitor.

**Note: Only connects to older version of VBV-750M monitor.**



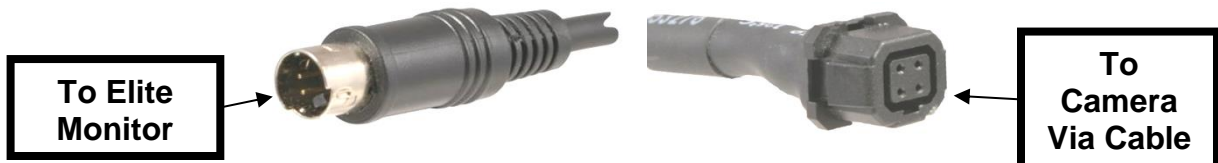
Model (Part) No.: AC-003 (1908)

Description: Connects Elite camera to BE-455/650 cable.



Model (Part) No.: AC-004 (1909)

Description: Connects Elite monitor to BE-455 cable.



**Model (Part) No.: AC-006 (1983)**

**Description: Connects Select camera to Elite monitor via a BE-L cable.**



**Model (Part) No.: AC-007 (1984)**

**Description: Connects Elite camera, via a BE-L cable, to Select monitor.**



**Model (Part) No.: AC-009 (1986)**

**Description: Replace VBV-545M with Select monitor.**



Part No: (2075)  
Model (Part) No.: AC-011 (2075)

Description: Upgrade from BE-856D to BE-856A monitors.



To BE-856D  
Monitor

To BE-856A  
Cable

Model (Part) No.: AC-014 & AC-014(5M) [5 metre version] (2094) & (5049)

Description: Connects Elite camera to Select monitor.



To Elite Camera



To Select  
Monitor

Model (Part) No.: AC-H014(3M) (7214) [3 metre version] & AC-H014(5M) [5 metre version] (5635)

Description: Connects Elite AHD camera to Select AHD monitor.



To Elite AHD  
Camera

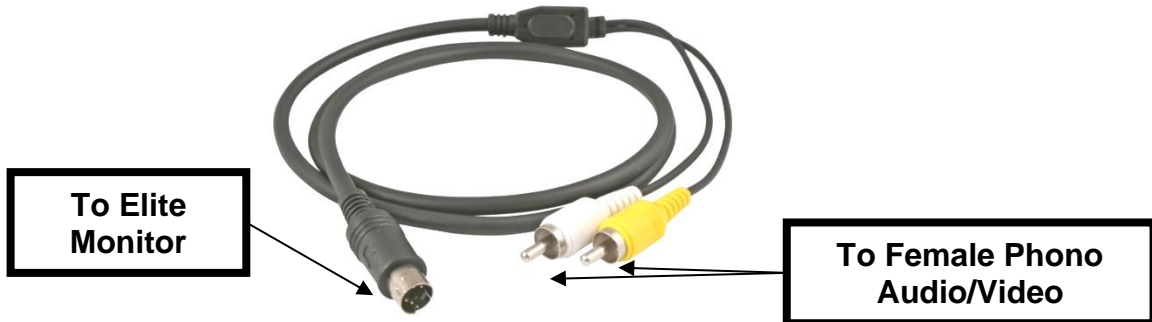


To Select  
AHD Monitor



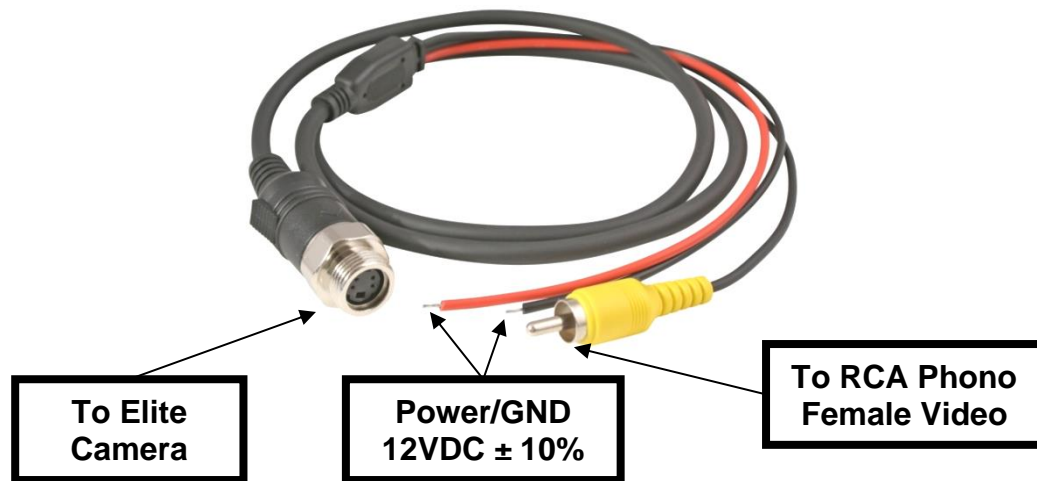
**Model (Part) No.: AC-016 (2150)**

**Description: Connects Phono/RCA device to Elite monitor.**



**Model (Part) No.: AC-019 (2589)**

**Description: Connects Elite camera to Phono/RCA (No Audio, Video only), plus power tails.**



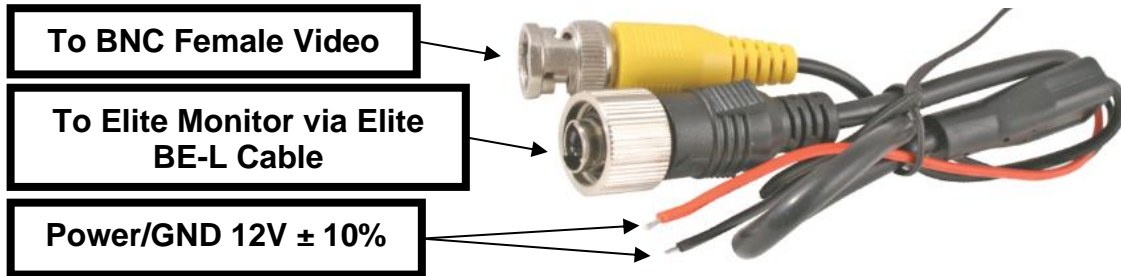
**Model (Part) No.: AC-020 (2590A)**

**Description: Connects Elite monitor to Select camera.**



**Model (Part) No.: AC-021 (2704)**

**Description: Connects power tails and BNC (FLiR thermal imaging camera) to Elite monitor, via a BE-L cable.**



**Model (Part) No.: AC-022 (2930)**

**Description: Connects VBV-750M to VBV-750BM without removing VBV-700CM.**



**Model (Part) No.: AC-023 (2931)**

**Description: Upgrade VBV-750AM to VBV-750BM without removing VBV-700ACM.**



**Model (Part) No.: AC-024 (3183)**

**Description: Connects Phono/RCA device to Select monitor.**



**Model (Part) No.: AC-027 (3198)**

**Description: Connects Phono/RCA to 3.5mm Phono adapter for VBV-750/770DM.**



**Model (Part) No.: AC-028 (3335)**

**Description: Connects Phono/RCA device for Select camera.**



Model (Part) No.: AC-031 (3412)

Description: Connects GDS system to Select Monitor.



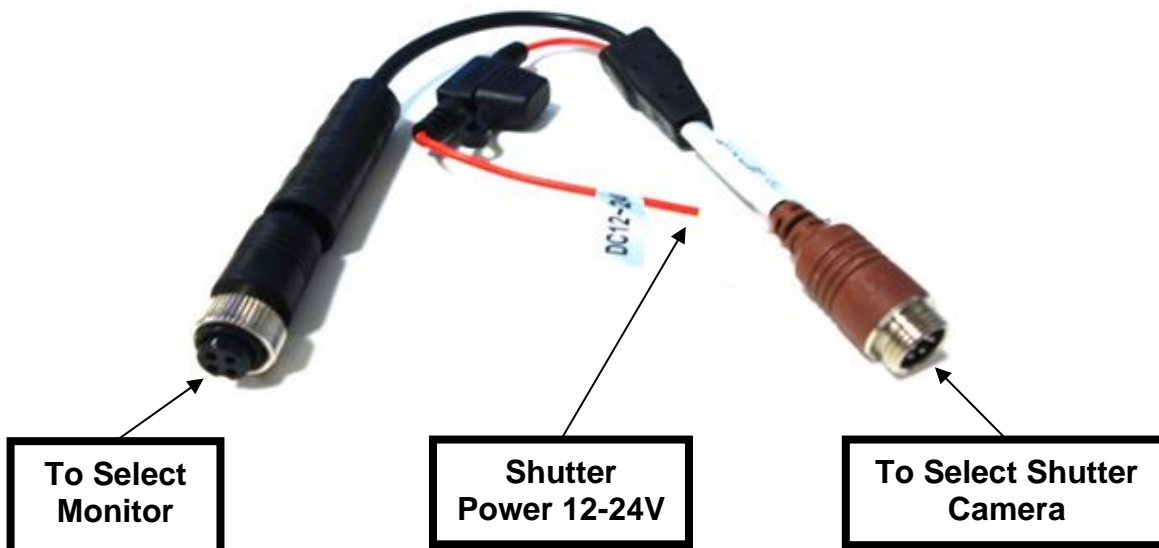
Model (Part) No.: AC-032 (3413)

Description: Connects GDS system to Elite Camera



Model (Part) No.: AC-035 (3702)

Description: Connects Select monitor to Select 5 pin Shutter Camera.



**Model (Part) No.: AC-041 (4245)**

**Description: Connects Elite camera to John Deere GS-3CC monitor with 7 pin amp connector.**



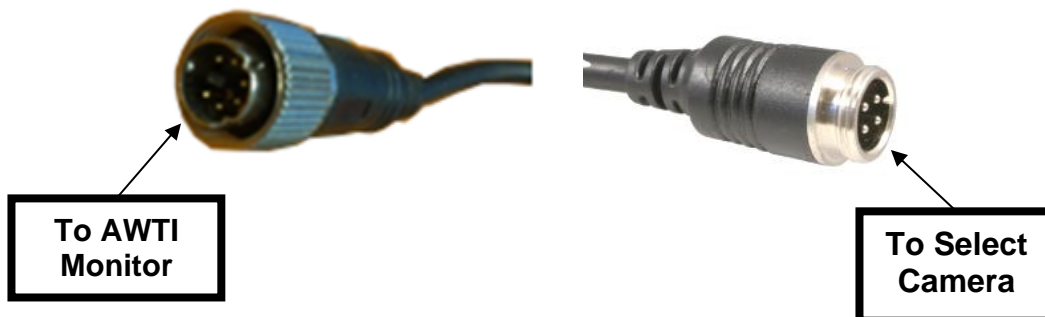
**Model (Part) No.: AC-042 (4246)**

**Description: Connects Select camera to John Deere GS-3CC monitor with 7 pin amp connector.**



**Model (Part) No.: AC-043 (4244)**

**Description: Connects AWTI monitor to Select camera.**



**Model (Part) No.: AC-044 (4279)**

**Description: Connects Fendt monitor with M12 connector to Select camera.**



**Model (Part) No.: AC-045 (4280)**

**Description: Connects Fendt monitor with M12 connector to Elite camera.**



**Model (Part) No.: AC-050 (4088)**

**Description: Connects Elite camera to Massey Ferguson monitor with 5-way d-sub connector.**



**Model (Part) No.: AC-051 (4310)**

**Description: Connects VBV-750/770DM to mobile awareness monitor**



**Model (Part) No.: AC-054 (4340)**

**Description: Connects Elite 360 ECU to monitor via AC-016/AC-024 (BNC B to Phono A).**



**Model (Part) No.: AC-055(5M) (4267)**

**Description: Connects Select shutter compatible monitor to Select Camera.**





**Model (Part) No.: AC-056 (4401)**

**Description: Connects Select camera to Orlaco monitor**



**Model (Part) No.: AC-059 (4597)**

**Description: Connects female phono to female phono**



**Model (Part) No.: AC-061 (4662)**

**Description: Connects BE-870LM (2705A) to BE-870LM (2705) cable adapter.**





**Model (Part) No.: AC-062 (4691)**

**Description: Connects Elite camera, via an Elite BE-L cable, to Orlaco monitor.**



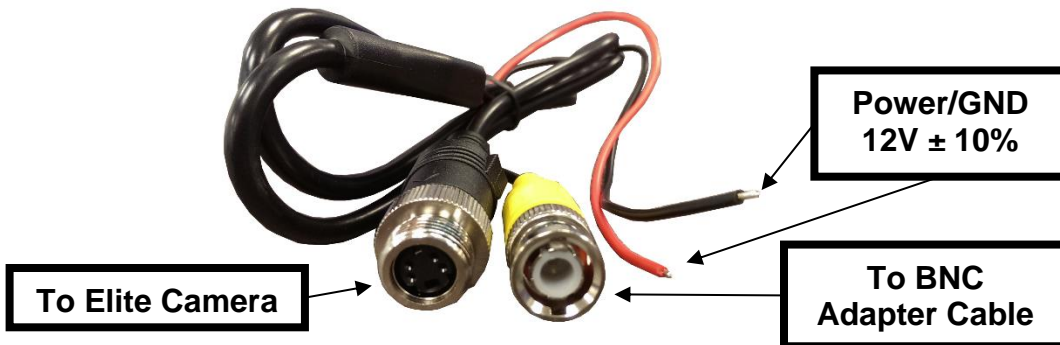
**Model (Part) No.: AC-063 (4925)**

**Description: Connects an Elite camera to Orlaco monitor**



**Model (Part) No.: AC-064 (4948)**

**Description: Connects Elite camera to BNC plus power tails.**



**Model (Part) No.: AC-065 (4963)**

**Description: Connects PathFindIR™II camera cable to RCA input.**



**Model (Part) No.: AC-066 (5027)**

**Description: Connects Orlaco camera to Elite monitor**



**Model (Part) No.: AC-067 (5028)**

**Description: Connects Orlaco camera to Select Monitor**



**Model (Part) No.: AC-068 (5234)**

**Description: Connects Select camera to MAN Harman unit WITH camera prep.**

**Note: From 2017 models, refer to instruction sheet for correct model application**



**Model (Part) No.: AC-069 (5318)**

**Description: Connects Select camera to MAN/Scania Harman unit WITHOUT camera prep.**

**Note: From 2017 models, refer to instruction sheet for correct model application**



**Model (Part) No.: AC-069(90) (5528)**

**Description: Connects Select camera to MAN/Scania Harman unit WITHOUT camera prep. With a 90° angled connector.**

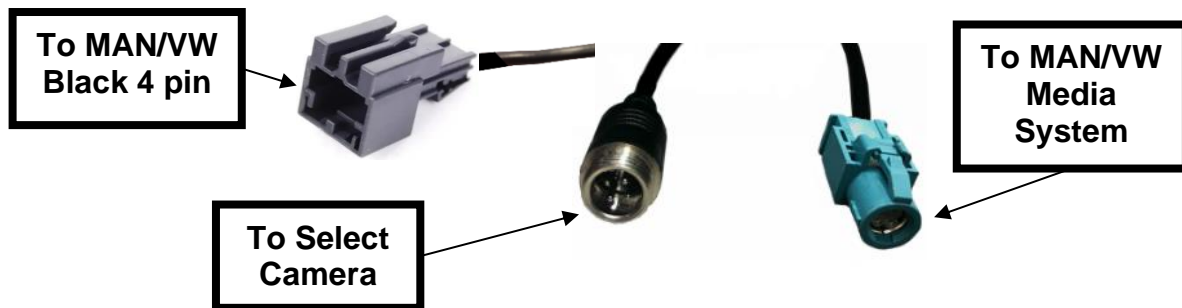
**Note: From 2017 models, refer to instruction sheet for correct model application**



**Model (Part) No.: AC-070 (5430)**

**Description: Connects Select camera to MAN GTE/VW Crafter Infotainment system.**

**Note: 2018 Model Year onwards**



**Model (Part) No.: AC-074 (6502)**

**Description: 22 pin Male to Male adapter from Select FM monitor harness cable to Select HFM monitor**



**Model (Part) No.: BN360-VBV-L4015 (4698)**

**Description: Connects BN360 Select ECU to Select monitors.**



## Inline Voltage Regulators

**Model (Part) No.: AC-24-05(001) (5435)**

**Description: Inline voltage adapter, 12-32V/5.2V Select 360 in Select monitor out.**



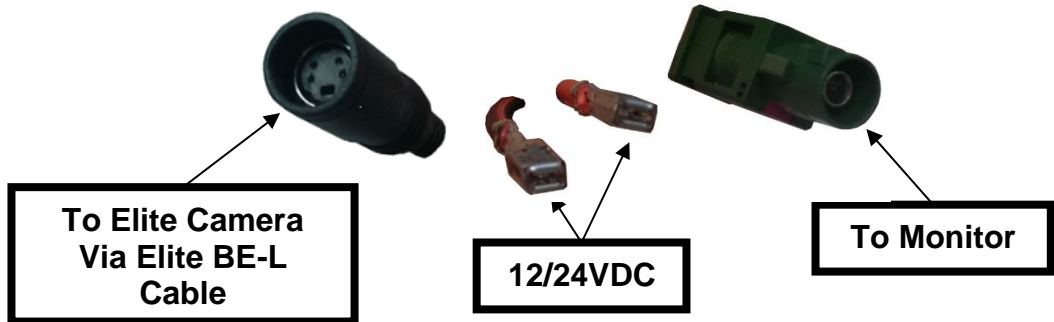
**Model (Part) No.: AC-24-12(001) (4235)**

**Description: Inline voltage adapter 10-32V/12V Select camera in Elite monitor out.**



**Model (Part) No.: AC-24-12(002) (4266)**

**Description: Inline voltage adapter 10-32V/12V Elite camera in Mercedes monitor out.**



**Model (Part) No.: AC-24-12(004) (4281)**

**Description: Inline voltage adapter 10-32V/12v, Select camera to MAN MMT HSD.**  
**Note: Prior to 2017 models, refer to AC-068 instruction sheet for model application.**



**Model (Part) No.: AC-24-12(006) (4719)**

**Description: Inline voltage adapter 10-32V/12V, Select camera to be installed on Volvo FH(4) or FM(4).**

**Note: May require Volvo programming before use, requires video switcher (ref Volvo compatibility document)**



**Model (Part) No.: AC-24-12(007) (4762)**

**Description: Inline voltage adapter 10-32V/12V, Select camera to Iveco Connect system.**

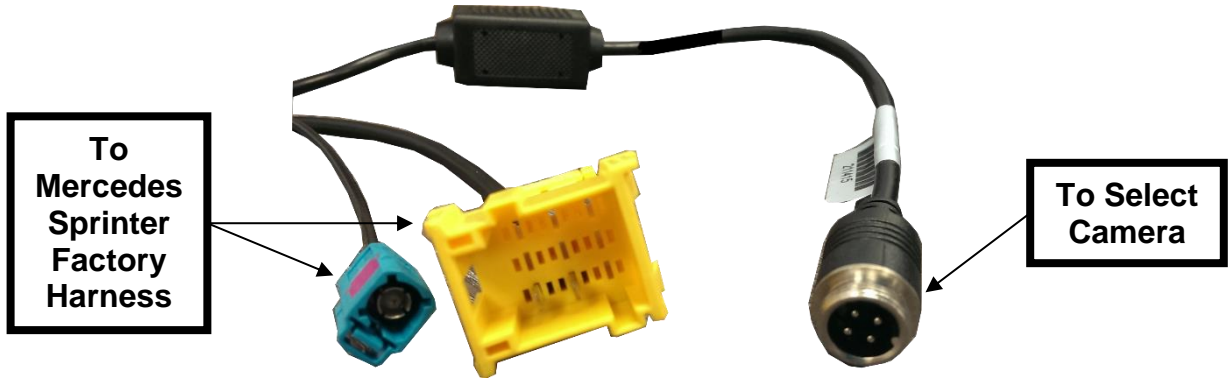




**Model (Part) No.: AC-24-12(008) (4763)**

**Description: Inline voltage adapter 10-32V/12V, Select camera to Mercedes Sprinter.**

**Note: Only suitable for Mercedes-Benz Sprinter vehicles factory fitted with option pack FR7 & "audio 15" multimedia unit.**



**Model (Part) No.: AC-24-12(009) (4926)**

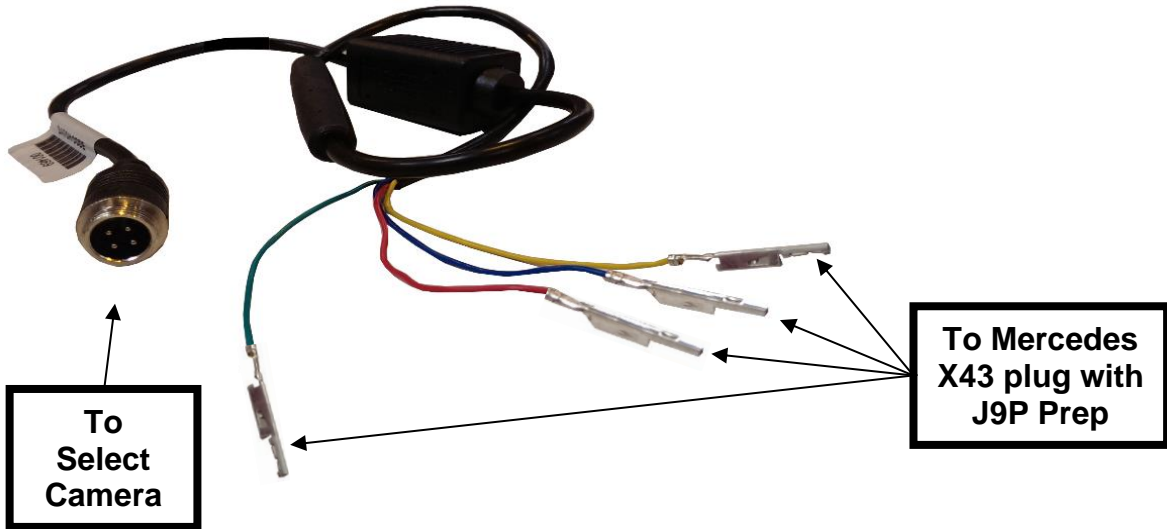
**Description: Inline voltage adapter 10-32V/12V, Select camera to Mekra 507405 monitor.**



**Model (Part) No.: AC-24-12(010) (5907)**

**Description: Inline voltage adapter 10-32V/12V, Select camera to Mercedes Actros/Arocs**

**Note: Only suitable for Mercedes Actros/Arocs 2019> with J9P prep.**



**Model (Part) No.: AC-24-12(011) (5760)**

**Description: Inline voltage adapter 10-32V/12V, Select Female to Select Male with separate power feed.**



**Model (Part) No.: AC-24-12(012) (6116)**

**Description: Inline voltage adapter 10-32V/12V, Elite Female push fit to Orlaco monitor.**



**Model (Part) No.: AC-24-12(013) (6132)**

**Description: Inline voltage adapter 10-32V/12V, Elite Male push fit to Elite Female push fit with separate power feed.**



**Model (Part) No.: AC-24-12(018) (7018)**

**Description: Inline voltage adapter 10-32V/12V, Select Male to Select Female with separate trigger feed.**



MDR Adapters

Model (Part) No.: AC-301 (2904B)

Description: Connects Select MDR-304A to Select monitor and cable.

Note: 1 required per camera that is to be viewed and recorded.



Model (Part) No.: AC-302 (2923B)

Description: Connects Elite MDR-304A to Elite camera and monitor, via BE-L cable.

Note: 1 required per camera that is to be viewed and recorded.



**Model (4903) No.: AC-305 (4903)**

**Description: Connects MDR to Select 360 camera and monitor, via cable.**

**Note: 1 required per camera that is to be viewed and recorded.**



**Model (Part) No.: AC-306 (4904)**

**Description: Connects MDR to Select camera and monitor.**

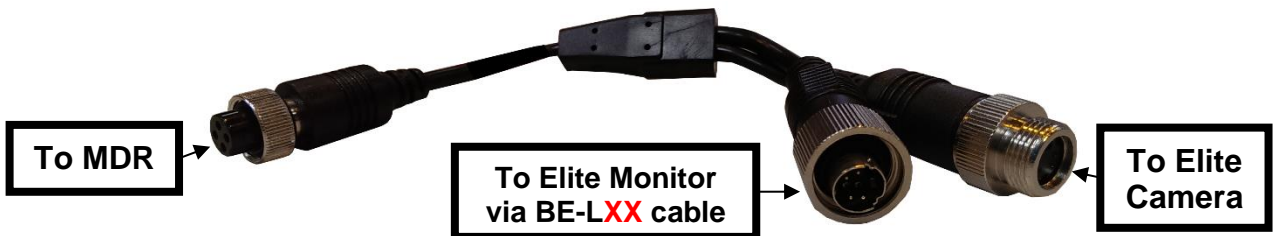
**Note: 1 required per camera that is to be viewed and recorded.**



**Model (Part) No.: AC-307 (4905)**

**Description: Connects MDR to Elite camera and monitor, via BE-L cable.**

**Note: 1 required per camera that is to be viewed and recorded.**

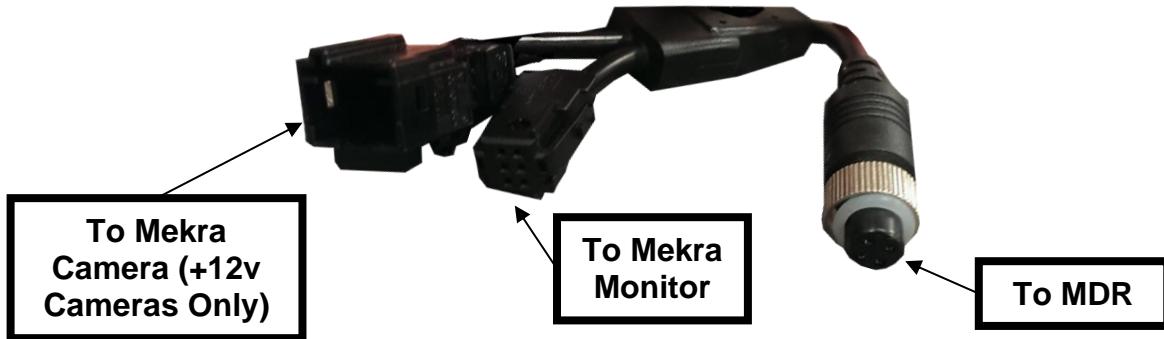


**Model (Part) No.: AC-308 (4949)**

**Description: Connects MEKRA 507405 Camera and monitor to MDR.**

**Note: 1 required per camera that is to be viewed and recorded.**

**Compatible with Mekra 507405 CMS.**



**Model (4903) No.: AC-H305 (6648)**

**Description: Connects MDR to Select AHD 360 camera and monitor, via cable. BN360-300 (5800A only)**

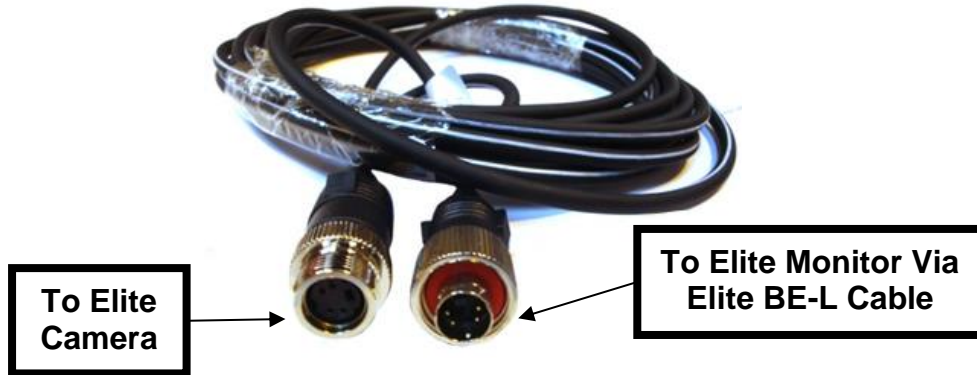
**Note: 1 required per camera that is to be viewed and recorded.**



## Extension Cables

Model (Part) No.: BE-**XXXX** (Various)

Description: Elite camera extension cable.



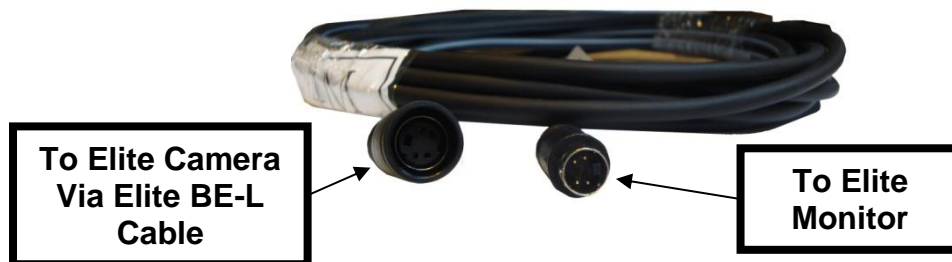
Model (Part) No.: BE-**LXXX** (Various)

Description: Elite camera extension cable.



Model (Part) No.: BE-**PX** (Various)

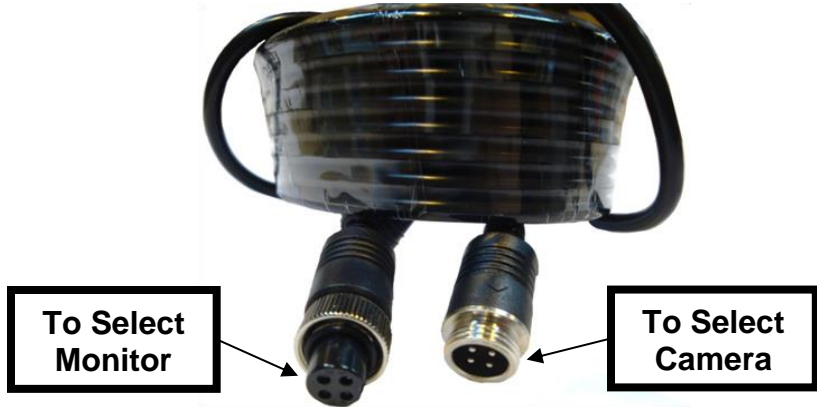
Description: Connects Elite monitor to Elite camera, via BE-L cable, extension cable.





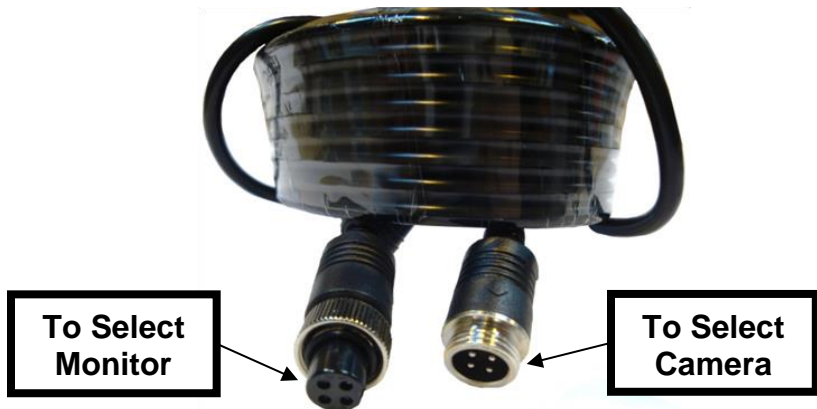
Part No: (Various)  
Model (Part) No.: VBV-L4XX (Various)

Description: Select camera extension cable.



Model (Part) No: VBV-H4XXX (Various)

Description: Select High Definition non-shutter camera extension cable.  
**Note: The letter H is printed on outer sheath along the entire cable length and is backwards compatible with the non-HD Select camera range.**



**Model (Part) No.: VBV-L5XX (Various)**

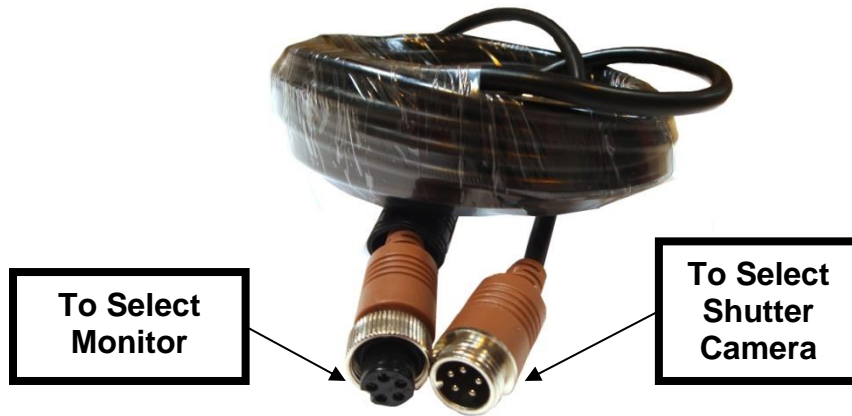
**Description: Select Shutter camera extension cable.**



**Model (Part) No.: VBV-H5XX (Various)**

**Description: Select High Definition shutter camera extension cable.**

**Note: The letter H is printed on outer sheath along the entire cable length and is backwards compatible with the non-HD Select camera range.**



**Model (Part) No.: VBV-XM003 (4193)**

**Description: 3m monitor extension cable for VBV-7X0M/7X0M-S Monitors.**



**Model (Part) No.: VBV-XFM003 (5383)**

**Description: 3m non-AHD monitor extension cable for VBV-7014FM/770FM Monitors.**



**Model (Part) No.: VBV-XHFM003 (6445)**

**Description: 3m monitor extension cable for Select VBV-7014FM, VBV-7104HFM, VBV-770FM & VBV-770HFM Monitors.**

**To Select AHD Monitor or Non-AHD Monitor Harness Cable**

**To Select AHD Monitor Harness Cable or Non-AHD Monitor**



**Model (Part) No: BE-XM003F & BE-XM005F (3305) & (2178A)**

**Description: 3m or 5m monitor extension cable for BE-8XXFM & BE-8XXGM monitors plus BE-8XXLM from part no. 2705A onwards, (not 2705).**



**To Elite Monitor**

**To Elite Monitor Harness Cable**

**Model (Part) No: BN360-LXXXX (Various)**

**Description: BN360 non-AHD camera extension cable.**



**Model (Part) No: BN360-HXXXX (Various)**

**Description: BN360 HD camera extension cable.**

**Note: The letter H is printed on outer sheath along the entire cable length.**



## Brigade Standard Connector Types

### Select Range

Select Male 4pin connector, typically connects to Select camera.



Select Female 4pin connector, typically connects to Select monitor.



Select Male 5pin connector, typically connects to Select Shutter camera.



Select Female 5pin connector, typically connects to Select Shutter cable adapter.



### Elite Range

Elite Male push fit connector, typically connects to Elite monitor via cable adapter.



Elite Female push fit connector, typically connects to Elite camera via Elite BE-L cable.



Elite screw fit Male connector, typically connects to Elite monitor via Elite BE-L cable.



Elite screw fit female connector, typically connects to Elite camera.

