

# Cable Specification

*B.MKAB.65*

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**Elektronik  
Systeme**

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## History

Date	V	Platform	A,M,R	Chapter	Description	Au
19.12.2024	1.0		M	All	New document	MW

V	Version
A,M,R	Added, Modified, Removed
Au	Author

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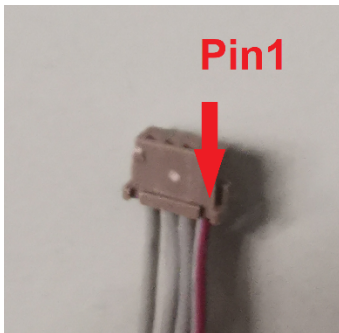
# 1 Connection Table

Signal	Color	Connector 1	Cable 500mm	Connector 2
VBL	White	1		1
VBL	Grey	2		2
GND	Grey	3		3
GND	Grey	4		4

## 2 Connector 1

### 2.1 Connector Type:

Hirose DF13-4S-1.25C or compatible



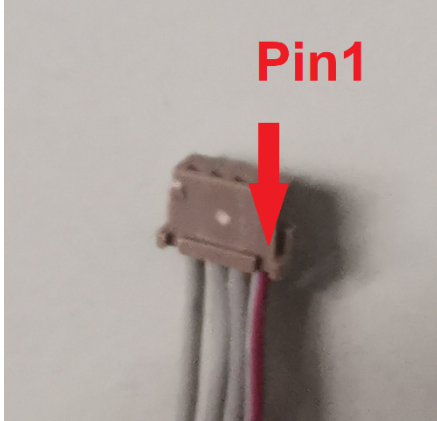
### 2.2 Connection:

Signal	Pin Number
VBL	1
VBL	2
GND	3
GND	4

### 3 Connector 2

#### 3.1 Connector Type:

Hirose DF13-4S-1.25C or compatible



#### 3.2 Connection:

Signal	Pin Number
VBL	1
VBL	2
GND	3
GND	4

## 4 Cable:

### 4.1 Length:

500mm  
±10mm

### 4.2 Color:

See Chapter 1: Connection Table.

### 4.3 Cable Fixation Requirements

The cable must be secured at five points along its length of 500 mm to ensure the individual wires are held together.

### 4.4 Twisted Pairs:

No twisted pairs

### 4.5 Cable Information's:

Style: UL1571  
Size: AWG28  
Voltage Rating: 30V  
Temperature Rating: -40°C ... +85°C

## 5 Compliance

The following compliance are needed and need to be confirmed by supplier:

- RoHSII directive 201/65/EU and its extension 2015/863/EU