
Basler Channel Link to Camera Link Adapter Cable Technology Brief

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Cable Information

The Basler Channel Link to Camera Link adapter cable is used to connect Basler Channel Link cameras (b cameras such as the A201b) to Camera Link frame grabbers. The RS-232 serial connection is used to issue commands to the camera for changing parameters using the Camera Configuration Tool. The unterminated twisted pairs are used to supply power to the camera (see Table 1)

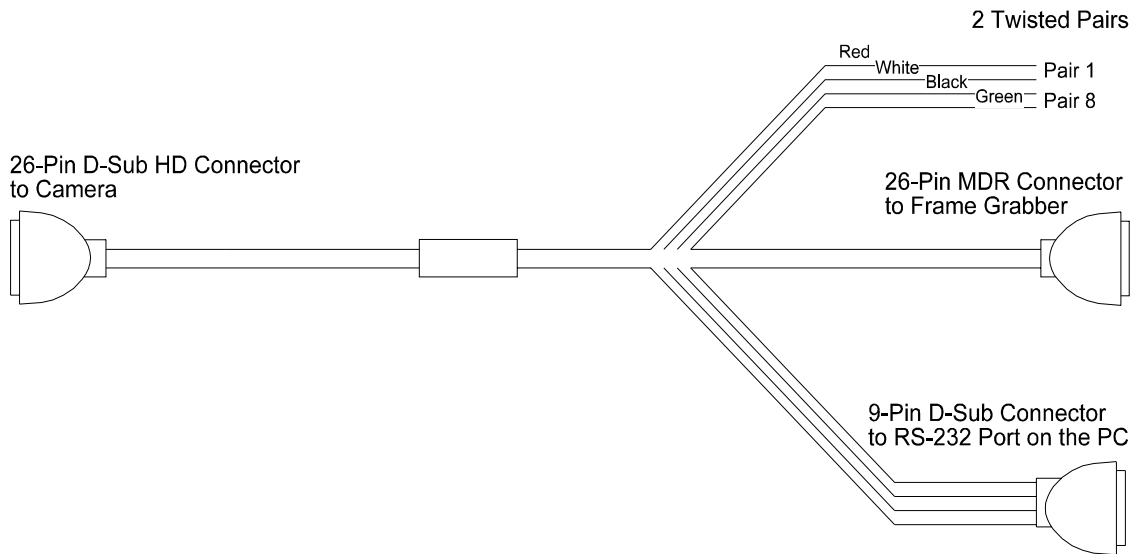



Figure 1: Basler Channel Link to Camera Link Adapter Cable

	<p>DC Power</p> <p>Channel Link cameras require 12 VDC ($\pm 10\%$) power. The cameras have no overvoltage protection. An input voltage higher than 14 VDC will damage the cameras. Ripple must be less than 1%. The cameras have no reverse power protection. Therefore, always observe the polarity as indicated in Table 1.</p>
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Color	Pair	Signal Name	Function
Red	1	Ground	DC Ground
White		+ 12 VDC	DC Power
Black	8	Ground	DC Ground
Green		+ 12 VDC	DC Power

Table 1: Color Assignment of the Two Unterminated Twisted Pairs

Pairs 1 and 8 are tied together inside of the camera. It is sufficient to supply 12 VDC to just one of the pairs.