

Camera Link Cable Assemblies for Machine Vision (PoCL Lite)



PoCL Lite cables have been formally released, compliant with the latest Camera Link 2.0 standards. Their connector combines SDR26P and SDR14P to support compact cameras as well. The cables can also supply power to the connected camera.

Usage

Connecting a digital video camera using the PowerOver CameraLink Lite interface to a frame grabber

Features

- Standard cables compliant with the Camera Link standards
- Offering flex resistance / high sliding properties as standard cable
- Signal lines are designed with manufacturing technology developed through the manufacturing of high-speed transmission cables for semiconductor production devices, to offer advanced accuracy in external diameter and relative permittivity.
- The connectors are either SDR26P or SDR14P.
- The connectors are molded in either the straight or right angle type. (The right angle type comes in 26P and 14P versions.)
- These cables are UL compliant and have cleared the VW-1 test for flame resistance.
- These cables are RoHS Directive compliant.

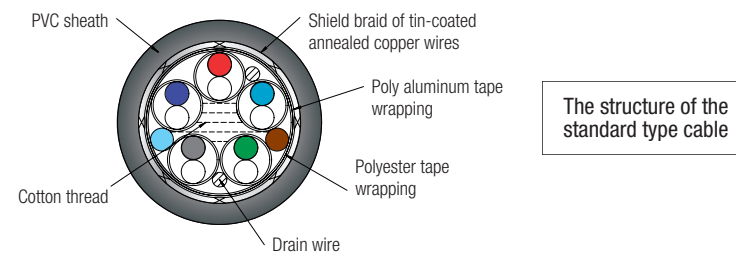
Structure and performance

Item	Standard cable (flex resistant / high sliding specification)	
Signal conductor size (AWG)	30AWG	28AWG
External jacket diameter (mm)	5.7	7.0
Voltage / temperature rating	30V/80°C	
Characteristic impedance	100±10	
Within-pair skew (ps/m)	No more than 50	
Pair-to-pair skew (ps/m)	No more than 50	
Transmission distance (m) *3	No more than 5	No more than 10
Flame resistance	VW-1	

*1 Compliant with the Camera Link standards

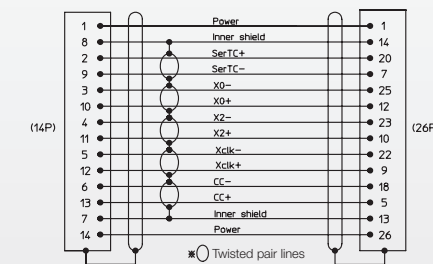
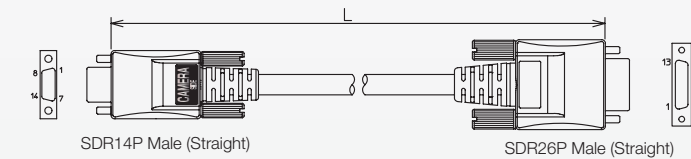
*2 The Camera Link specifications stipulate the cable length to be the maximum of 10 meters. Transmission distance when an extension cable is used varies according to the performance of the camera and frame grabber involved. Please check their performance in advance when using an extension cable.

*3 The transmission distance shown may change according to camera and frame grabber performance.

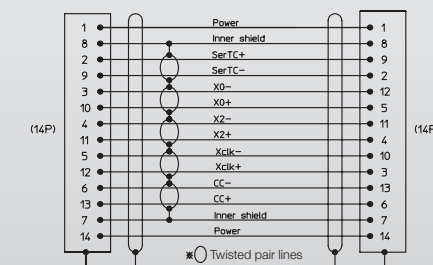
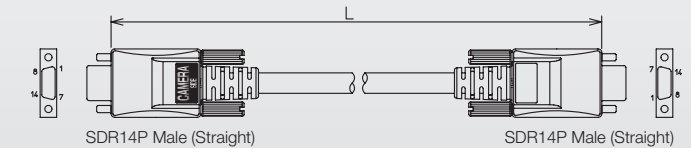


External appearance | Examples of products in the PoCL Lite Cable Assembly lineup

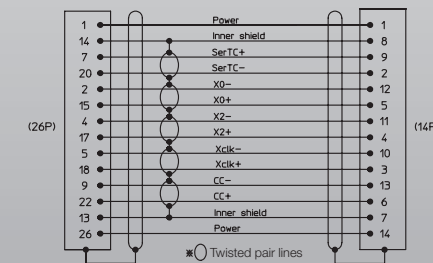
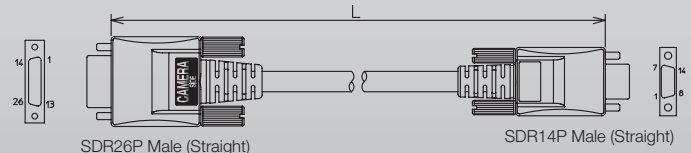
SDR14P Male (Straight) – SDR26P Male (Straight)



SDR14P Male (Straight) – SDR14P Male (Straight)



SDR26P Male (Straight) – SDR14P Male (Straight)



The SDR26P and SDR14P Right Angle type are available.



Hirakawa Hewtech is a member of JIIA, AIA, EMVA and CMVU, which set machine vision standards.

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