



Plug connectors and cables  
Plug connectors and cables / Connecting cable  
(female connector-open)

DOL-0J08-G05MAA3



**Plug connectors and cables**  
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**Model Name** > [DOL-0J08-G05MAA3](#)  
**Part No.** > [2046876](#)



**Technical data**

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| Accessory group:         | Plug connectors and cables                                                                    |
| Accessory family:        | Connecting cables with female connector                                                       |
| Connection type head A:  | Female connector, JST, 8-pin, straight                                                        |
| Connection type head B:  | Cable                                                                                         |
| Cable diameter:          | Ø 5.6 mm                                                                                      |
| Conductor cross-section: | 4 x 2 x 0.15 mm <sup>2</sup>                                                                  |
| Shielding:               | Shielded                                                                                      |
| Bending radius:          | > 7.5 x Leitungsdurchmesser im Schleppbetrieb, > 5 x Leitungsdurchmesser bei fester Verlegung |
| LED indicator:           | -                                                                                             |
| Special feature:         | Drag chain use                                                                                |
| Signal type:             | Incremental                                                                                   |
| Items supplied:          | JST including sealing                                                                         |
| Cable:                   | 5 m, 8-pole                                                                                   |
| Jacket material:         | PUR halogen-free                                                                              |
| Jacket color:            | Black                                                                                         |

PIN assignment

| PIN    | Signal TTL, HTL      | Signal sine 1.0 V <sub>ss</sub> | Color of wires |
|--------|----------------------|---------------------------------|----------------|
| 1      | $\overline{B}$       | SIN-                            | Black          |
| 2      | Not connected        | Not connected                   |                |
| 3      | Z                    | Z                               | Lilac          |
| 4      | $\overline{Z}$       | $\overline{Z}$                  | Yellow         |
| 5      | A                    | COS+                            | White          |
| 6      | $\overline{A}$       | COS-                            | Brown          |
| 7      | Not connected        | Not connected                   |                |
| 8      | B                    | SIN+                            | Pink           |
| 9      | Not connected        | Not connected                   |                |
| 10     | GND                  | GND                             | Blue           |
| 11     | Not connected        | Not connected                   |                |
| 12     | U <sub>s</sub>       | U <sub>s</sub>                  | Red            |
| Shield | Shield <sup>1)</sup> | Shield <sup>2)</sup>            |                |

**Attention!**  
The flexible wires twisted in pairs must be assigned in accordance with the signals.  
White/Brown = A/ $\overline{A}$  oder COS+/COS-  
Lilac/Yellow = Z/ $\overline{Z}$   
Pink/Black = B/ $\overline{B}$  oder SIN+/ SIN-  
Red/Blue = preferably U<sub>s</sub> and GND

<sup>1)</sup> Shield connected to housing on side of encoder, connected to ground on side of control.  
**Attention! In combination with the electrical interfaces A, C, E and P only.**

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