

# Connecting cable KMPYE-AIF-1-GS-GD-2

Part number: 170238

FESTO



## Data sheet

| Feature                                              | Value                                                 |
|------------------------------------------------------|-------------------------------------------------------|
| Conforms to standard                                 | EN 61076-2-101                                        |
| Additional functions                                 | Product-specific pin allocation                       |
| Cable designation                                    | With accessories                                      |
| Frequency of connection                              | 500                                                   |
| Electrical connection 1, function                    | Field device side                                     |
| Electrical connection 1, design                      | Round                                                 |
| Electrical connection 1, connection type             | Socket                                                |
| Electrical connection 1, cable outlet                | Straight                                              |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101                      |
| Electrical connection 1, number of connections/cores | 4                                                     |
| Electrical connection 1, used connections/cores      | 4                                                     |
| Electrical connection 1, type of mounting            | Screw-type lock with 18 mm A/F and longitudinal knurl |
| Electrical connection 1, connection pattern          | 00995385                                              |
| Electrical connection 2, function                    | Controller side                                       |
| Electrical connection 2, design                      | Round                                                 |
| Electrical connection 2, connection type             | Plugs                                                 |
| Electrical connection 2, cable outlet                | Straight                                              |
| Electrical connection 2, connector system            | M9x0.5                                                |
| Electrical connection 2, number of connections/cores | 7                                                     |
| Electrical connection 2, used connections/cores      | 6                                                     |
| electrical connection 2, type of mounting            | Screw-type lock                                       |
| Electrical connection 2, connection pattern          | 00995748                                              |
| Operational voltage range DC                         | 0 V ... 50 V                                          |
| Current rating at 40° C                              | 1 A                                                   |
| Immunity to surge                                    | 2 kV                                                  |
| Cable length                                         | 2 m                                                   |
| Cable characteristic                                 | Suitable for energy chains                            |
| Test conditions cable                                | Test conditions on request                            |
| Bending radius, moving cable                         | ≥75 mm                                                |
| Cable diameter                                       | 5.6 mm                                                |
| Cable structure                                      | 8 x 0.24 mm <sup>2</sup><br>Shielded                  |
| Nominal cross section conductor                      | 0.24 mm <sup>2</sup>                                  |
| Degree of protection                                 | IP65                                                  |
| Note on degree of protection                         | In assembled state                                    |
| Ambient temperature                                  | -25 °C ... 85 °C                                      |

| Feature                               | Value           |
|---------------------------------------|-----------------|
| Ambient temperature with moving cable | -5 °C ... 80 °C |
| LABS (PWIS) conformity                | VDMA24364-B2-L  |
| Note on materials                     | RoHS-compliant  |
| Pollution degree                      | 1               |
| Material cable sheath                 | TPE-U(PUR)      |
| Cable sheath colour                   | Black           |