

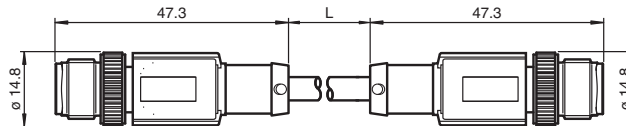
Features

- Transfer characteristics in accordance with CAT5 (IEC 11801:2002), CAT5e (EIA/TIA-568B:2001)
- Halogen-free
- Twisted pair, shielded

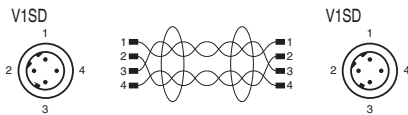
Technical data

Number of pins	4
Electrical data	
Operating voltage U_B	Max. 60 V
Volume resistance	< 5 mΩ
Ambient conditions	
Ambient temperature	-20 ... 70 °C, fixed 0 ... 50 °C, non-fixed
Mechanical data	
Connection	M12 plug, 4-pin, D-coded
Degree of protection	IP65/IP67/IP69K
Materials	
Contacts	CuSn
Contact surface	Ni/Au
Coupling nut/push-on sleeve	Die-cast zinc, nickel-plated
Cable	PUR
Strand insulation	PE
Body	TPU
Cable	
Sheath diameter	8 mm
Bending radius	> 35 mm
Color	Water blue (RAL 5021)
Leads	4 x 0.25 mm ²
Shield	Cu braided, tin-plated, 65 % coverage Aluminum lined polyester film

Dimensions



Electrical connection



Order codes

V 1 S D - G - . . M - P U R - A B G - V 1 S D - G

Cable lengths in m
0.5 ... 60

V1SD

- Standard, cable lengths of 2m, 5m and 10m available in stock
- Available, minimum order quantity applies in some cases
- Not available



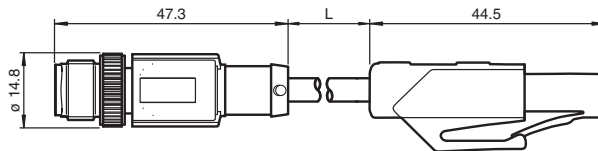
Features

- Transfer characteristics in accordance with CAT5 (IEC 11801:2002), CAT5e (EIA/TIA-568B:2001)
- Halogen-free
- Twisted pair, shielded

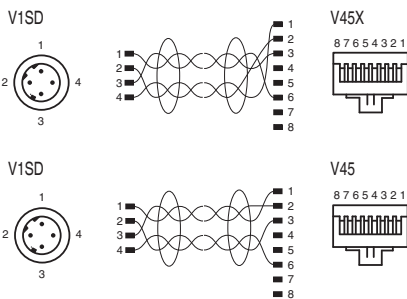
Technical data

Number of pins	4
Electrical data	
Operating voltage _{UB}	Max. 60 V
Ambient conditions	
Ambient temperature	-20 ... 60 °C, fixed 0 ... 50 °C, non-fixed
Mechanical data	
Connection	M12 x 1 plug, 4-pin, D-coded RJ-45 category 5, up to 100 MHz
Degree of protection	IP67 / IP20
Materials	
Contacts	CuSn
Contact surface	Ni/Au
Coupling nut/push-on sleeve	Die-cast zinc, nickel-plated
Cable	PUR
Insulation type	PE
Body	TPU / PA
Cable	
Cable diameter	6.7 mm
Bending radius	> 35 mm
Color	Water blue (RAL 5021)
Leads	4 x 0.14 mm ²
Shield	Cu braided, tin-plated, 65 % coverage Aluminum lined polyester film

Dimensions



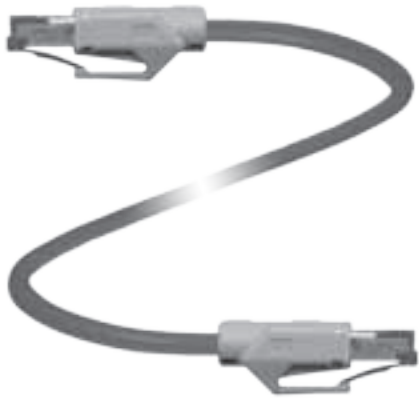
Electrical connection



Order codes

V 1 S D - G - . . M - P U R - A B G - V 4 5 . - G

- Cable lengths in m
0.5 ... 60
- 1:1 crossed
- Standard, cable lengths of 2m, 5m and 10m available in stock
○ Available, minimum order quantity applies in some cases
- Not available
- Cable layout
1:1
X crossed



Features

- Transfer characteristics in accordance with CAT5 (IEC 11801:2002)
- Twisted pair, shielded

Technical data

Number of pins	8
Electrical data	
Operating voltage U_B	Max. 60 V
Ambient conditions	
Ambient temperature	-40 ... 50 °C
Mechanical data	
Connection	RJ-45 category 5, up to 100 MHz
Degree of protection	IP20
Materials	
Cable	PVC
Strand insulation	PVC
Body	PA
Cable	
Sheath diameter	6.5 mm
Color	Gray
Leads	4 x 0.14 mm ²
Shield	Cu braided, tin-plated Aluminum lined polyester film

Sensor-actuator cable

Field-attachable connectors

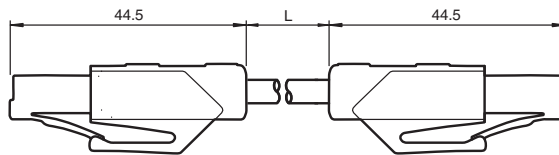
Junction blocks

Sensor-actuator splitters

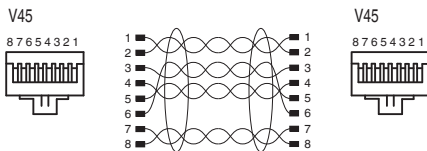
Sensor-actuator receptacles

Data connectors

Dimensions



Electrical connection



Order codes

V 4 5 - G - . . M - V 4 5 - G

Cable lengths in m
0.5 ... 30

V45

- Standard, cable lengths of 2m, 5m and 10m available in stock
- Available, minimum order quantity applies in some cases
- Not available

Sensor-actuator cable



Field-attachable connectors

Features

- Transfer characteristics in accordance with CAT5 (IEC 11801:2002)
- Insulation displacement connection technology
- Push-pull: protection to IP67

Junction blocks

Sensor-actuator splitters

Electrical connection

V45



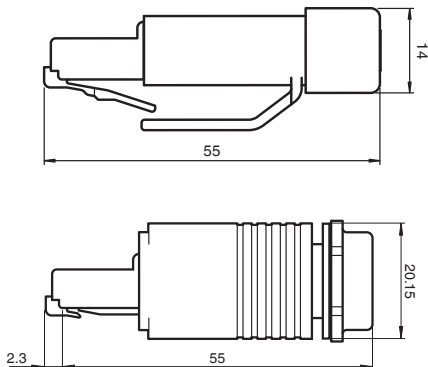
Sensor-actuator receptacles

Data connectors

Technical data

Design	Standard	Push-pull
Number of pins	4	
Electrical data		
Operating voltage _{UB}	Max. 60 V	
Ambient conditions		
Ambient temperature	-40 ... 70 °C	
Mechanical data		
Connection	RJ-45 category 5, up to 100 MHz Insulation displacement connection 0.25 ... 0.34 mm ²	
Degree of protection	IP20	IP65/IP67
Materials		
Housing	PUR	
Contacts	Ni/Au	
Cable		
Cable diameter	6.1 ... 6.9 mm	6.5 ... 7.2 mm

Dimensions



Order codes

V 4 5 - G .

Design
- Standard
P Push-pull

V45

- Standard, available in stock
- Available, minimum order quantity applies in some cases
- Combination not available