

CF.INI

Sensor/actuator



chainflex® readycable®



Cable type	Jacket	Page
Sensor/actuator CF9 - CF.INI (minimum bend radius 5 x d)		
	TPE	517
	TPE	517
	TPE	519
	TPE	521
	TPE	521
	TPE	523
Sensor/actuator CF10 - CF.INI (minimum bend radius 5 x d) 360° shielded		
	TPE	525
	TPE	525
Sensor/actuator CF98 - CF.INI (minimum bend radius 4 x d)		
	TPE	527
	TPE	527
	TPE	529
	TPE	529
chainflex® cables for actuator/sensor distribution box		
	TPE	530
	TPE	530
	TPE	531



igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year



Harnessed sensor/actuator cables

Connection and Linking cables M12 x 1 Bend radius, e-chain®: minimum 5 x d

Electrical information

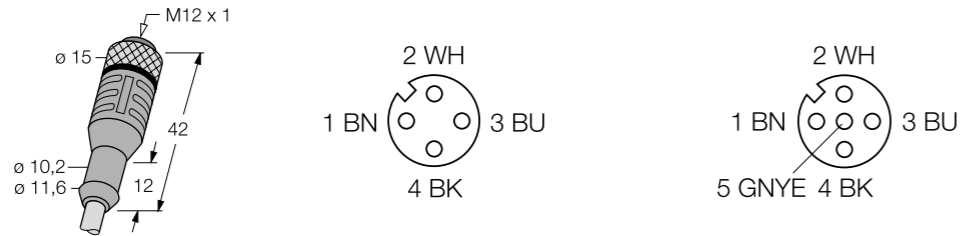
Number of poles	5-pole	4-pole
Ampacity	4A	4A
Rated voltage	60V	250V
Insulating resistance	≥ 10 ⁹ Ω	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ	≤ 5mΩ
Pollution degree	3/2	3/2
Ambient temperature	-35°C up to +105°C	-35°C up to +105°C
Protection class	IP69K, in screwed state	IP69K, in screwed state
Mechanical service life	max. 100 insertion cycles	max. 100 insertion cycles

Technical data

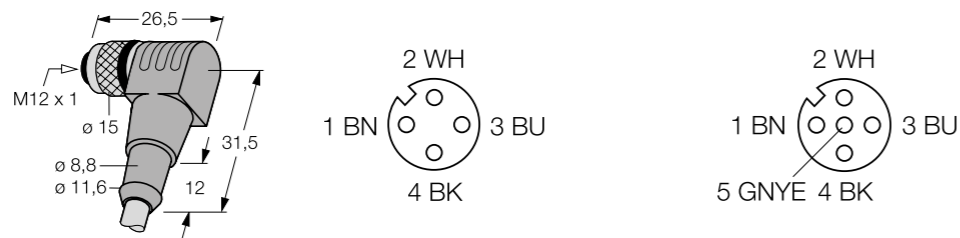
Design	Coupling	Connector
Connector	Coupling, M12 x 1	Connector, M12 x 1
Handle base	Plastic, PP, black	Plastic, PP, black
Union nut/screw	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Contact base	Plastic, PP, black	Plastic, TPU, black
Contacts	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)	

Harnessed with these connectors

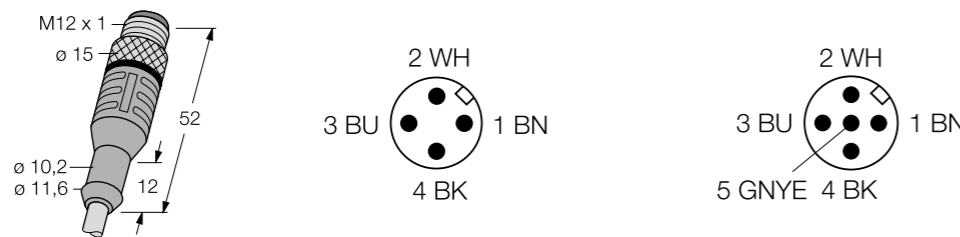
Cable socket M12-BG



Angled socket M12-BW



Cable connector M12-SG



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M12				

Cable socket M12/ open cable end



CF.INI-P4-M12-BG-3	MAT9043700	4x0.34	5.0	3
CF.INI-P4-M12-BG-5	MAT9043701	4x0.34	5.0	5
CF.INI-P4-M12-BG-7	MAT9043702	4x0.34	5.0	7
CF.INI-P4-M12-BG-10	MAT9043703	4x0.34	5.0	10
CF.INI-P4-M12-BG-15	MAT9049426	4x0.34	5.0	15
CF.INI-P5-M12-BG-3	MAT9043737	5x0.34	5.5	3
CF.INI-P5-M12-BG-5	MAT9043738	5x0.34	5.5	5
CF.INI-P5-M12-BG-7	MAT9043739	5x0.34	5.5	7
CF.INI-P5-M12-BG-10	MAT9043740	5x0.34	5.5	10
CF.INI-P5-M12-BG-15	MAT90410077	5x0.34	5.5	15

Angled socket M21/ open cable end



CF.INI-P4-M12-BW-3	MAT9043704	4x0.34	5.0	3
CF.INI-P4-M12-BW-5	MAT9043705	4x0.34	5.0	5
CF.INI-P4-M12-BW-7	MAT9043706	4x0.34	5.0	7
CF.INI-P4-M12-BW-10	MAT9043707	4x0.34	5.0	10
CF.INI-P4-M12-BW-15	MAT9049430	4x0.34	5.0	15
CF.INI-P5-M12-BW-3	MAT9043742	5x0.34	5.5	3
CF.INI-P5-M12-BW-5	MAT9043743	5x0.34	5.5	5
CF.INI-P5-M12-BW-7	MAT9043744	5x0.34	5.5	7
CF.INI-P5-M12-BW-10	MAT9043745	5x0.34	5.5	10
CF.INI-P5-M12-BW-15	MAT90410078	5x0.34	5.5	15

Linking cable M12

Cable socket M12/ cable connector M12



CF.INI-P4-M12-BG/M12-SG-2	MAT90410312 ¹⁾	4x0.34	5.0	2
CF.INI-P4-M12-BG/M12-SG-5	MAT90410313 ¹⁾	4x0.34	5.0	5
CF.INI-P4-M12-BG/M12-SG-10	MAT90410314 ¹⁾	4x0.34	5.0	10
CF.INI-P5-M12-BG/M12-SG-2	MAT90410339 ¹⁾	5x0.34	5.5	2
CF.INI-P5-M12-BG/M12-SG-5	MAT90410340 ¹⁾	5x0.34	5.5	5
CF.INI-P5-M12-BG/M12-SG-10	MAT90410341 ¹⁾	5x0.34	5.5	10

Cable socket M12/ cable connector M12



CF.INI-P4-M12-BW/M12-SG-2	MAT90410315 ¹⁾	4x0.34	5.0	2
CF.INI-P4-M12-BW/M12-SG-5	MAT90410316 ¹⁾	4x0.34	5.0	5
CF.INI-P4-M12-BW/M12-SG-10	MAT90410317 ¹⁾	4x0.34	5.0	10
CF.INI-P5-M12-BW/M12-SG-2	MAT90410342 ¹⁾	5x0.34	5.5	2
CF.INI-P5-M12-BW/M12-SG-5	MAT90410343 ¹⁾	5x0.34	5.5	5
CF.INI-P5-M12-BW/M12-SG-10	MAT90410344 ¹⁾	5x0.34	5.5	10

¹⁾Delivery time upon request

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

Harnessed sensor/actuator cables

Connection cable with LED M12 x 1: Bend radius, e-chain®: minimum 5 x d

Electrical information

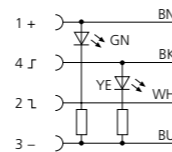
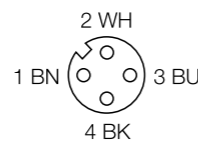
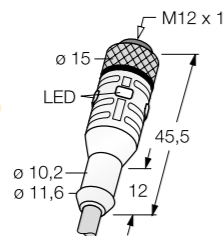
Number of poles	4-pole
Ampacity	4A
Rated voltage	30V
Insulating resistance	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ
Pollution degree	3/2
Operating voltage display	LED green
Switching state display	LED yellow/yellow
Switching function	pnp
Ambient temperature	-35°C up to +105°C
Protection class	IP66, in screwed state
Mechanical service life	max. 100 insertion cycles

Technical data

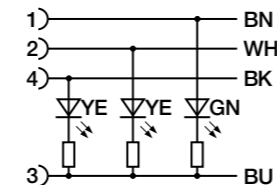
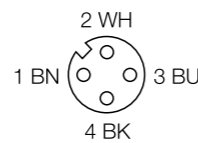
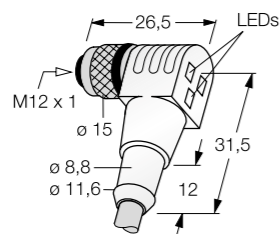
Design	Coupling
Connector	Coupling, M12 x 1
Handle base	Plastic, TPU, transparent
Union nut/screw	Metal, CuZn, nickel-plated
Contact base	Plastic, PA6GF, transparent
Contacts	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)

Harnessed with these connectors

Cable socket with LED M12-BGL



Angled socket with LED M12-BWL



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M12				

Cable socket M12 with LED/ open cable end



CF.INI-P4-M12-BGL2-3	MAT9043708	4x0.34	5.0	3
CF.INI-P4-M12-BGL2-5	MAT9043709	4x0.34	5.0	5
CF.INI-P4-M12-BGL2-7	MAT9043710	4x0.34	5.0	7
CF.INI-P4-M12-BGL2-10	MAT9043711	4x0.34	5.0	10
CF.INI-P4-M12-BGL2-15	MAT90410087	4x0.34	5.0	15

Angled socket M12 with LED/ open cable end



CF.INI-P4-M12-BWL3-3	MAT9043712	4x0.34	5.0	3
CF.INI-P4-M12-BWL3-5	MAT9043713	4x0.34	5.0	5
CF.INI-P4-M12-BWL3-7	MAT9043714	4x0.34	5.0	7
CF.INI-P4-M12-BWL3-10	MAT9043715	4x0.34	5.0	10
CF.INI-P4-M12-BWL3-15	MAT90410088	4x0.34	5.0	15

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed sensor/actuator cables

Connection and linking cables M8 x 1: Bend radius, e-chain®: minimum 5 x d

Electrical information

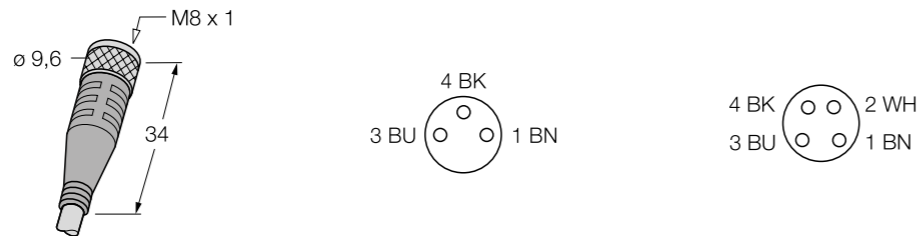
	3-pole	4-pole
Number of poles	3	4
Ampacity	4A	4A
Rated voltage	60V	30V
Insulating resistance	≥ 10 ⁹ Ω	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ	≤ 5mΩ
Pollution degree	3/2	3/2
Ambient temperature	-35°C up to +105°C	-35°C up to +105°C
Protection class	IP69K, in screwed state	IP69K, in screwed state
Mechanical service life	max. 100 insertion cycles	max. 100 insertion cycles

Technical data

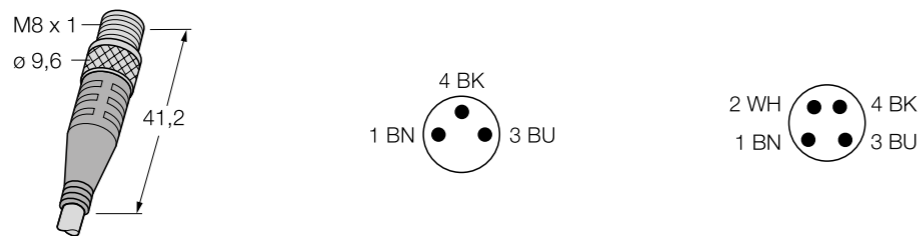
	Coupling	Connector
Design	Coupling, M8 x 1	Connector, M8 x 1
Connector	Plastic, PP, black	Plastic, PP, black
Handle base	Plastic, PP, black	Plastic, PP, black
Union nut/screw	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Contact base	Plastic, PP, black	Plastic, PP, black
Contacts	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)	Metal, CuZn, gold-plated

Harnessed with these connectors

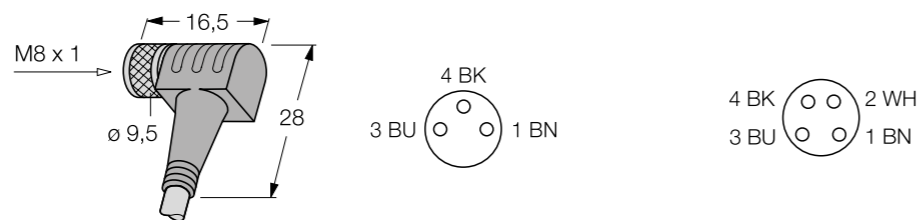
Cable socket M8-BG



Cable connector M8-SG



Angled socket M8-BW



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M8				

Cable socket M8/ open cable end



CF.INI-P3-M8-BG-3	MAT9043716	3x0.25	4.5	3
CF.INI-P3-M8-BG-5	MAT9043717	3x0.25	4.5	5
CF.INI-P3-M8-BG-7	MAT9043718	3x0.25	4.5	7
CF.INI-P3-M8-BG-10	MAT9043719	3x0.25	4.5	10
CF.INI-P3-M8-BG-15	MAT9049416	3x0.25	4.5	15
CF.INI-P4-M8-BG-3	MAT9043728	4x0.34	5.0	3
CF.INI-P4-M8-BG-5	MAT9043729	4x0.34	5.0	5
CF.INI-P4-M8-BG-7	MAT9043730	4x0.34	5.0	7
CF.INI-P4-M8-BG-10	MAT9043731	4x0.34	5.0	10
CF.INI-P4-M8-BG-15	MAT9049466	4x0.34	5.0	15

Angled socket M8/ open cable end



CF.INI-P3-M8-BW-3	MAT9043724	3x0.25	4.5	3
CF.INI-P3-M8-BW-5	MAT9043725	3x0.25	4.5	5
CF.INI-P3-M8-BW-7	MAT9043726	3x0.25	4.5	7
CF.INI-P3-M8-BW-10	MAT9043727	3x0.25	4.5	10
CF.INI-P3-M8-BW-15	MAT9049419	3x0.25	4.5	15
CF.INI-P4-M8-BW-3	MAT9043732	4x0.34	5.0	3
CF.INI-P4-M8-BW-5	MAT9043733	4x0.34	5.0	5
CF.INI-P4-M8-BW-7	MAT9043734	4x0.34	5.0	7
CF.INI-P4-M8-BW-10	MAT9043735	4x0.34	5.0	10
CF.INI-P4-M8-BW-15	MAT9049467	4x0.34	5.0	15

Linking cable M8

M8 cable socket/ M8 cable connector



CF.INI-P3-M8-BG/M8-SG-2	MAT90410324 ¹⁾	3x0.25	4.5	2
CF.INI-P3-M8-BG/M8-SG-5	MAT90410325 ¹⁾	3x0.25	4.5	5
CF.INI-P3-M8-BG/M8-SG-10	MAT90410326 ¹⁾	3x0.25	4.5	10
CF.INI-P4-M8-BG/M8-SG-2	MAT90410333 ¹⁾	4x0.34	5.0	2
CF.INI-P4-M8-BG/M8-SG-5	MAT90410334 ¹⁾	4x0.34	5.0	5
CF.INI-P4-M8-BG/M8-SG-10	MAT90410335 ¹⁾	4x0.34	5.0	10

Angled socket M8/ cable connector M8



CF.INI-P3-M8-BW/M8-SG-2	MAT90410330 ¹⁾	3x0.25	4.5	2
CF.INI-P3-M8-BW/M8-SG-5	MAT90410331 ¹⁾	3x0.25	4.5	5
CF.INI-P3-M8-BW/M8-SG-10	MAT90410332 ¹⁾	3x0.25	4.5	10
CF.INI-P4-M8-BW/M8-SG-2	MAT90410336 ¹⁾	4x0.34	5.0	2
CF.INI-P4-M8-BW/M8-SG-5	MAT90410337 ¹⁾	4x0.34	5.0	5
CF.INI-P4-M8-BW/M8-SG-10	MAT90410338 ¹⁾	4x0.34	5.0	10

¹⁾Delivery time upon request

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

Harnessed sensor/actuator cables

Connection cables with LED M8 x 1: Bend radius, e-chain®: minimum 5 x d

Electrical information

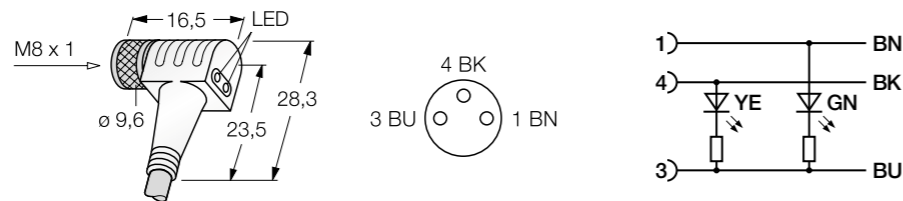
Number of poles	3-pole
Ampacity	4A
Rated voltage	30V
Insulating resistance	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ
Pollution degree	3/2
Operating voltage display	LED green
Switching state display	LED yellow/yellow
Switching function	pnp
Ambient temperature	-35°C up to +105°C
Protection class	IP66, in screwed state
Mechanical service life	max. 100 insertion cycles

Technical data

Design	Coupling
Connector	Coupling, M8 x 1
Handle base	Plastic, TPU, transparent
Union nut/screw	Metal, CuZn, nickel-plated
Contact base	Plastic, PA6GF, black
Contacts	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)

Harnessed with these connectors

Angled socket with LED M8-BWL



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M8				
Angled socket M8 with LED/ open cable end				
CF.INI-P3-M8-BWL2-3	MAT9043720	3x0.25	4.5	3
CF.INI-P3-M8-BWL2-5	MAT9043721	3x0.25	4.5	5
CF.INI-P3-M8-BWL2-7	MAT9043722	3x0.25	4.5	7
CF.INI-P3-M8-BWL2-10	MAT9043723	3x0.25	4.5	10
CF.INI-P3-M8-BWL2-15	MAT90410196	3x0.25	4.5	15

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed sensor/actuator cables

Connection and linking cables 360° shielded, M12 x 1:
Bend radius, e-chain®: minimum 5 x d

Electrical information

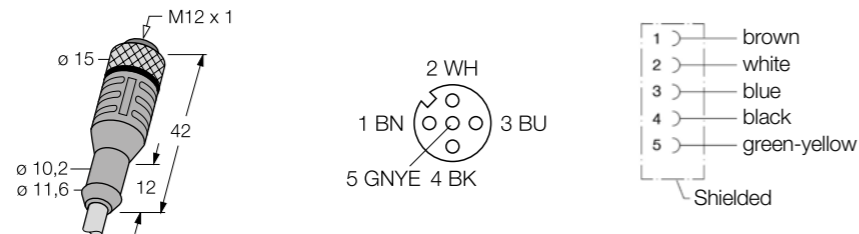
Number of poles	5-pole (4-pole + PE)
Ampacity	4A
Rated voltage	60V
Insulating resistance	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ
Pollution degree	3/2
Ambient temperature	-35°C up to +105°C
Protection class	IP69K, in screwed state
Mechanical service life	max. 100 insertion cycles

Technical data

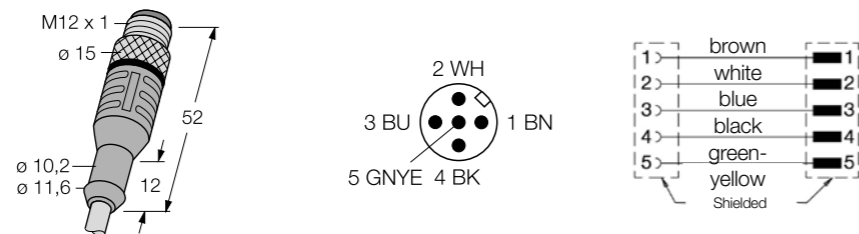
Design	Coupling
Connector	Coupling, M12 x 1
Handle base	Plastic, PP, black
Union nut/screw	Metal, CuZn, nickel-plated
Contact base	Plastic, PP, black
Contacts	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)

Harnessed with these connectors

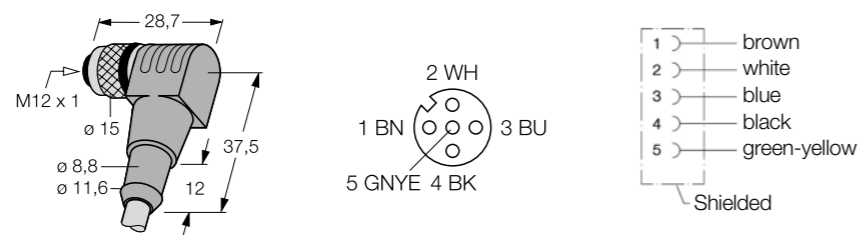
Cable socket M12-BG



Cable connector M12-SG



Angled socket M12-BW



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M12				

Cable socket M12/ open cable end



CF10.INI-P5-C-M12-BG-3	MAT90424072	(5x0.34)C	7.0	3
CF10.INI-P5-C-M12-BG-5	MAT90424073	(5x0.34)C	7.0	5
CF10.INI-P5-C-M12-BG-7	MAT90424074	(5x0.34)C	7.0	7
CF10.INI-P5-C-M12-BG-7	MAT90424075	(5x0.34)C	7.0	10
CF10.INI-P5-C-M12-BG-15	MAT90424076	(5x0.34)C	7.0	15

Angled socket M21/ open cable end



CF10.INI-P5-C-M12-BW-3	MAT90424077	(5x0.34)C	7.0	3
CF10.INI-P5-C-M12-BW-5	MAT90424078	(5x0.34)C	7.0	5
CF10.INI-P5-C-M12-BW-7	MAT90424079	(5x0.34)C	7.0	7
CF10.INI-P5-C-M12-BW-10	MAT90424080	(5x0.34)C	7.0	10
CF10.INI-P5-C-M12-BW-15	MAT90424081	(5x0.34)C	7.0	15

Linking cable M12

Cable socket M12/ cable connector M12



CF10.INI-P5-C-M12-BG/M12-SG-2	MAT90424082 ¹⁾	(5x0.34)C	7.0	2
CF10.INI-P5-C-M12-BG/M12-SG-5	MAT90424083 ¹⁾	(5x0.34)C	7.0	5
CF10.INI-P5-C-M12-BG/M12-SG-10	MAT90424084 ¹⁾	(5x0.34)C	7.0	10

Cable socket M12/ cable connector M12



CF10.INI-P5-C-M12-BW/M12-SG-2	MAT90424085 ¹⁾	(5x0.34)C	7.0	2
CF10.INI-P5-C-M12-BW/M12-SG-5	MAT90424086 ¹⁾	(5x0.34)C	7.0	5
CF10.INI-P5-C-M12-BW/M12-SG-10	MAT90424087 ¹⁾	(5x0.34)C	7.0	10

¹⁾Delivery time upon request

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed sensor/actuator cables

Connection and linking cables M12 x 1: Bend radius, e-chain®: minimum 4 x d

Electrical information

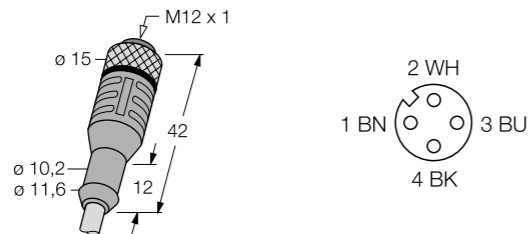
Number of poles	4-pole
Ampacity	4A
Rated voltage	250V
Insulating resistance	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ
Pollution degree	3/2
Ambient temperature	-35°C up to +105°C
Protection class	IP69K, in screwed state
Mechanical service life	max. 100 insertion cycles

Technical data

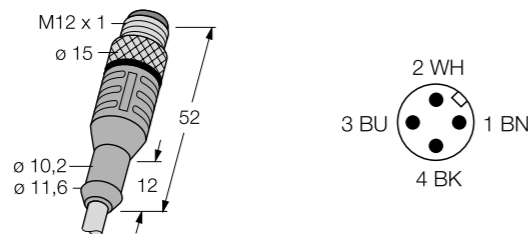
Design	Coupling	Connector
Connector	Coupling, M12 x 1	Connector, M12x1
Handle base	Plastic, PP, black	Plastic, PP, black
Union nut/screw	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Contact base	Plastic, TPU, black	Plastic, TPU, black
Contacts	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)	

Harnessed with these connectors

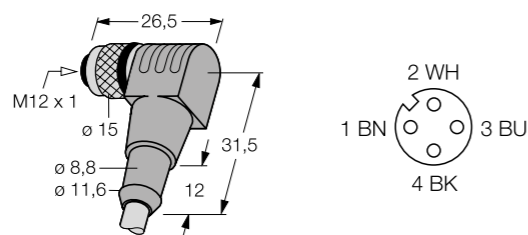
Cable socket M12-BG



Cable connector M12-SG



Angled socket M12-BW



Type	Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M12				

Cable socket M12/ open cable end



CF98.INI-P4-M12-BG-3	MAT90410235 ¹⁾	4x0.34	6.0	3
CF98.INI-P4-M12-BG-5	MAT90410236 ¹⁾	4x0.34	6.0	5
CF98.INI-P4-M12-BG-7	MAT90410237 ¹⁾	4x0.34	6.0	7
CF98.INI-P4-M12-BG-10	MAT90410238 ¹⁾	4x0.34	6.0	10
CF98.INI-P4-M12-BG-15	MAT90410239 ¹⁾	4x0.34	6.0	15

Angled socket M21/ open cable end



CF98.INI-P4-M12-BW-3	MAT90410240 ¹⁾	4x0.34	6.0	3
CF98.INI-P4-M12-BW-5	MAT90410241 ¹⁾	4x0.34	6.0	5
CF98.INI-P4-M12-BW-7	MAT90410242 ¹⁾	4x0.34	6.0	7
CF98.INI-P4-M12-BW-10	MAT90410243 ¹⁾	4x0.34	6.0	10
CF98.INI-P4-M12-BW-15	MAT90410244 ¹⁾	4x0.34	6.0	15

Linking cable M12

Cable socket M12/ cable connector M12



CF98.INI-P4-M12-BG/M12-SG-2	MAT90410300 ¹⁾	4x0.34	6.0	2
CF98.INI-P4-M12-BG/M12-SG-5	MAT90410301 ¹⁾	4x0.34	6.0	5
CF98.INI-P4-M12-BG/M12-SG-10	MAT90410302 ¹⁾	4x0.34	6.0	10

Cable socket M12/ cable connector M12



CF98.INI-P4-M12-BW/M12-SG-2	MAT90410303 ¹⁾	4x0.34	6.0	2
CF98.INI-P4-M12-BW/M12-SG-5	MAT90410304 ¹⁾	4x0.34	6.0	5
CF98.INI-P4-M12-BW/M12-SG-10	MAT90410305 ¹⁾	4x0.34	6.0	10

¹⁾ Delivery time upon request

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed sensor/actuator cables

Connection and linking cables M8 x 1: Bend radius, e-chain®: minimum 4 x d

Electrical information

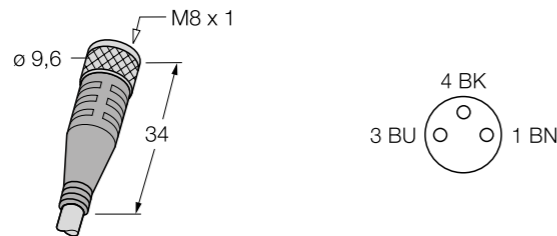
Number of poles	3-pole
Ampacity	4A
Rated voltage	60V
Insulating resistance	≥ 10 ⁹ Ω
Contact resistance	≤ 5mΩ
Pollution degree	3/2
Ambient temperature	-35°C up to +105°C
Protection class	IP69K, in screwed state
Mechanical service life	max. 100 insertion cycles

Technical data

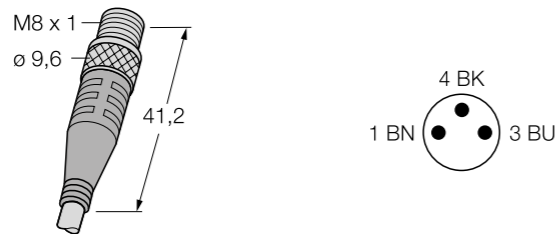
Design	Coupling	Connector
Connector	Coupling, M8 x 1	Connector, M8x1
Handle base	Plastic, PP, black	Plastic, PP, black
Union nut/screw	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Contact base	Plastic, TPU, black	Plastic, TPU, black
Contacts	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Seal	Plastic, FPM (Viton)	

Harnessed with these connectors

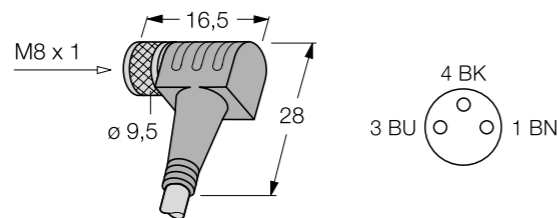
Cable socket M8-BG



Cable connector M8-SG



Angled socket M8-BW



Type	Part No. ¹⁾	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]	Cable length [m]
Connection cable M8				

Cable socket M8/ open cable end



CF98.INI-P3-M8-BG-3	MAT90410245 ¹⁾	3x0.25	5.0	3
CF98.INI-P3-M8-BG-5	MAT90410246 ¹⁾	3x0.25	5.0	5
CF98.INI-P3-M8-BG-7	MAT90410247 ¹⁾	3x0.25	5.0	7
CF98.INI-P3-M8-BG-10	MAT90410248 ¹⁾	3x0.25	5.0	10
CF98.INI-P3-M8-BG-15	MAT90410249 ¹⁾	3x0.25	5.0	15

Angled socket M8/ open cable end



CF98.INI-P3-M8-BW-3	MAT90410250 ¹⁾	3x0.25	5.0	3
CF98.INI-P3-M8-BW-5	MAT90410251 ¹⁾	3x0.25	5.0	5
CF98.INI-P3-M8-BW-7	MAT90410252 ¹⁾	3x0.25	5.0	7
CF98.INI-P3-M8-BW-10	MAT90410253 ¹⁾	3x0.25	5.0	10
CF98.INI-P3-M8-BW-15	MAT90410254 ¹⁾	3x0.25	5.0	15

Linking cable M8

M8 cable socket/ M8 cable connector



CF98.INI-P3-M8-BG/M8-SG-2	MAT90410306 ¹⁾	3x0.25	5.0	2
CF98.INI-P3-M8-BG/M8-SG-5	MAT90410307 ¹⁾	3x0.25	5.0	5
CF98.INI-P3-M8-BG/M8-SG-10	MAT90410308 ¹⁾	3x0.25	5.0	10

Angled socket M8/ cable connector M8



CF98.INI-P3-M8-BW/M8-SG-2	MAT90410309 ¹⁾	3x0.25	5.0	2
CF98.INI-P3-M8-BW/M8-SG-5	MAT90410310 ¹⁾	3x0.25	5.0	5
CF98.INI-P3-M8-BW/M8-SG-10	MAT90410311 ¹⁾	3x0.25	5.0	10





¹⁾ Delivery time upon request

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Also sold by the meter to your required length, unassembled. igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Sensor/actuator distribution box

To connect sensor/actuator distribution boxes

Connection cable M23: Socket/Pin at the cable front, cable ends cut

Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]
Connection cable M23		
Socket M23/ open cable end		
MAT90436630 ¹⁾	16x0.34+3x0.75	11.0
Connector M23/ open cable end		
MAT90436631 ¹⁾	16x0.34+3x0.75	11.0
Connection cable M23		
Connector M23/ angled socket M23		
MAT90436629	16x0.34+3x0.75	11.0
Connector M23/ socket M23		
MAT90436628	16x0.34+3x0.75	11.0

¹⁾igus® gladly pre-harnesses the cable according to your technical guidelines.

All cables available to your required length.






Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example images.
* igus® gladly pre-harnesses the cable according to your technical guidelines.
G = with green-yellow earth core x = without earth core
igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

Sensor/actuator distribution box

To connect sensor/actuator distribution boxes

Connection cable M12: Socket at the cable front, Pin at the cable end

Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø [mm]
Connection cable M12		
Socket M12, A-coded/ Connector M12, A-coded		
MAT90478773	8x0.25	6.5
MAT90478776	12x0.25	8.0
Socket M12, A-coded/ open cable end		
MAT90478774	8x0.25	6.5
MAT90478777	12x0.25	8.0
Connector M12, A-coded/ open cable end		
MAT90478775	8x0.25	6.5
MAT90478778	12x0.25	8.0

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example images.
G = with green-yellow earth core x = without earth core
igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

