

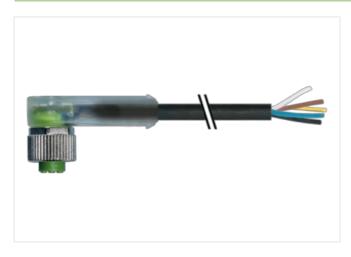
## M12 female 90° A-cod. with cable LED

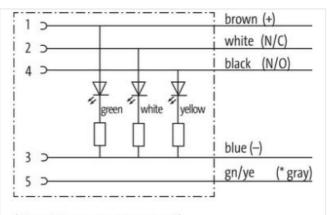
PUR 5x0.34 bk UL/CSA+drag ch. 20m

Female 90° M12, 5-pole 3× LED (PNP) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

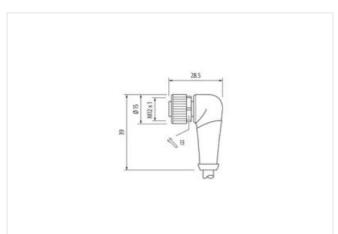
## Link to Product

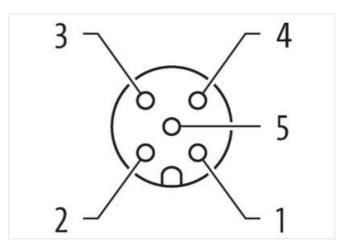






(\* for cable type 126, 732, 219, 619)





Product may differ from Image



20 m

0,6 Nm

Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Thread     M2 × 1       autable for corrugated tube (internal 0)     10 mm       autable for corrugated tube (internal 0)     10 mm       Autaerial     PUR       With across finds     SW13       Degree of protection (EN IEC 60520)     IP65, IP66K, IP67       Commercial data     22279218       ECLASS 4.0     22279218       ECLASS 4.0     27279218       ECLASS 4.0     27279218       ECLASS 4.0     27050311	Mounting method	inserted, screwed
autable for corrugated tube (internal 6)     10 mm       Boding     A       Advanial     PUR       With accoss flats     SW13       Degree of poledine(internal 6)     IPOS. IPOSC. IPOSC.       Commercial data     27279218       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27050311       ECLASS 7.0     2705031       ECLASS 7.0     2705031       ECLASS 7.1     2705031       ECLASS 7.2     2705031       ECLASS 7.2     2705031       ECLASS 7.3     2705031       ECLASS 7.4     2705031       ECLASS 7.0     2705031       ECLASS 7.0     2705031       ECLASS 7.1     2705031       ECLASS 7.2     2705031       ECLASS 7.3     2705031       ECLASS 7.4     2705031       ECLASS 7.5     200       Deprotein of Velocin Vel	Family construction form	M12
Coding     A       Material     PUR       Material     PUR       Well across flats     SW13       Degree of protection (ENLEC 0529)     IPSs, IPESK, IPS7       Cemmercial data     27279218       ECLASS 5.0     27000311       ECLASS 5.1.0     27000311       ECLASS 5.1.1     27000311       ECLASS 5.1.0     27000311       ECLASS 5.2.0     27000311       ECLASS 5.2.0     27000311       ECLASS 5.3     27000311       ECLASS 5.2.0     27000311       ECLASS 5.2.0     27000311       ECLASS 5.2.0     27000311       ECLASS 5.2.0     27000311       ECLASS	Thread	M12 x 1
Material     PUR       Width across flats     SW13       Width across flats     SW13       Begree of protection (EN IEC 60520)     IPPS, IPPS	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Width across fats     SW13       Degree of protection (EN IEC 60520)     P65, IP68K, IP67       Commercial dest     E       ECLASS 6.0     27279218       ECLASS 6.1     27279218       ECLASS 6.0     27279218       ECLASS 6.0     27279218       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     272900311       ECLASS 7.0     27000311       ECLASS 7.0     ECO01935       ECLASS 7.0     ECO01935       ECLASS 7.0     ECO01935       ETIM 5.0     ECO01935       ECIMENT Introduct     8444200       GTIN     408879369121       Packaging unit     1       Electical data [Supply     Electical data [Supply       Operating voltage DC     24 V       Operating voltage DC Fraze.     30 V	Coding	Α
Depres of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     E       ECLASS 6.0     22732918       ECLASS 7.0     27737918       ECLASS 6.0     27273218       ECLASS 6.0     27273918       ECLASS 6.0     27279218       ECLASS 6.0     27279218       ECLASS 6.0     27260311       ECLASS 7.0     2760311       ECLASS 7.0     2760311       ECLASS 7.0     2760311       ECLASS 7.0     2760311       ECLASS 7.0     27060311       Electrical data [Supply     30       Operating voltage DC rink.     30 V       Operating voltage DC rink.     4A	Material	PUR
Commercial data     Commercial data       EQLASS 8.0     27279218       ECLASS 7.0     27279218       ECLASS 8.0     27060311       ECLASS 1.1     27060311       ECLASS 1.2     27060311       ECLASS 1.0     404887303121       Reckagn unth     1       Eclerical data [Supply     2       Operating voltage DC     24 V       Operating voltage DC Tax.     30 V       Operating voltage DC Tax.     30 V       Operating voltage DC Tax.     10 V       Edvicrociclon Edvicritat     A	Width across flats	SW13
ECLASS-6.0 22279218   ECLASS-6.1 227279218   ECLASS-6.1 227279218   ECLASS-6.1 227279218   ECLASS-8.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-10.1 404879309121   Operating vitage DC 24 V   Operating vitage DC 24 V   Operating vitage DC 24 V   Operating vitage DC max. 30 V   Operating vitage DC max. 14 X   Batis indication LED green, whito, yoliow   Installation I Connection 14 X   Device prolection I Electrical S	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 6.1     27279218       ECLASS 7.0     27279218       ECLASS 6.0     27279218       ECLASS 7.0     27060311       ECLASS 7.0     ECON555       caustons taff number     8544290       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     41 X       Detrent outstant on tas	Commercial data	
ECLASS-7.0     27279218       ECLASS-8.0     27279219       ECLASS-8.0     27060311       ECLASS-8.0     27060311       ECLASS-10.1     27060311       ECLASS-10.2     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001655       exuore Larlf number     8544290       STIN     40487390921       Packaging unit     1       Etercina data [Supp)     U       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Depresiting voltage DC max.     4 A       Device protection [Electrical     Material group (EC 6666-1)       I     Indexitin dan	ECLASS-6.0	27279218
ECLASS 8.027279218ECLASS 8.027060311ECLASS 9.027060311ECLASS 1.127060311ECLASS 1.227060311ECLASS 1.2.027060311ECLASS 1.2.027060311ECLASS 1.2.027060311ECLASS 1.2.0ECOO1855Eustoms tarff number8544290GTIN404897369121Packaging unit1Electrical data   SupplyOparating voltage DC2.4 VOparating voltage DC max.30 VOparating voltage DC max.4 ADevice protection   ElectricalMounting estM12 x 1Device protection   ElectricalMounting est0.8 kVMaterial group (EC 60664-1)1IMechanical data   Material dataCoating of fiftingnickiel platedLoading material<	ECLASS-6.1	27279218
ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ELASS-12.0     27060311       ELASS-12.0     27060310       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Device protein gere (max.     30 V       Elastistic infaction LED     reen, while, yellow       Installation ICO     reen, while, yellow       Installatin IConnection	ECLASS-7.0	27279218
ECLASS 10.1     27060311       ECLASS 12.0     27060311       ECLASS 12.0     27060311       ETIM-5.0     EC001855       EURASS 12.0     EC001855       EURASS 12.0     EC001855       EURASS 12.0     EC001855       Eustoms tarff number     85444290       GTIN     404887369121       Packaging unit     1       Electrical data   Supply     Doparating voltage DC       Oparating voltage DC max.     30 V       Oparating voltage DC max.     30 V       Oparating voltage DC max.     30 V       Oparating voltage DC max.     4 A       DBipositis     E       Editation I Connection     green, white, yellow       Installation I Connection     green, white, yellow       Enstallation I Connection     green, white, yellow       Installation I Connection     green, white, yellow       Enstallation I Connection     green, white, yellow       Installation I Connection     green, white, yellow       Installation I Connection     green, white, yellow       Installation I Connection     green, white, yellow <tr< td=""><td>ECLASS-8.0</td><td>27279218</td></tr<>	ECLASS-8.0	27279218
ECLASS-11.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 27060311   ECLASS-12.0 27060311   ECLASS-12.0 EC001865   auatoms tariff number 85444290   GTIN 40487338121   Packaging unit 1   Electrical data   Supply    Operating voltage DC 24 V   Operating voltage DC max. 30 V   Operating voltage DC max. 4 A   Diagnostics    Status indication LED green, white, yellow   Installation   Connection miserted, screwed   Polution protection degree 3   Alditional condition protection degree 3   Rated argung (EC 60664-1) 1   Mechanical data   Material data Control (Se 6064-1)   Metarial group (EC 60664-1) 1   Mechanical data   Material data Zinc die-casting   Mechanical data   Material data Zinc die-casting   Metarial screw connection Zinc die-casting   Metarial screw connect	ECLASS-9.0	27060311
ECLASS-12.0     27060311       ETIM-5.0     EC001895       Discipons fairf number     8544290       GTIN     4048873863121       Packaign unit     1       Electrical data   Supply     Comparing voltage DC       QParating voltage DC     24 V       Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Current operating per contact max.     4 A       Diagnostics     green, white, yellow       Installation   Connection     green, white, yellow       Installation   Connection degree     inserted, screwed       Polivice protection l Electrical     Material group (EC 60664-1)       Atel al group (EC 60664-1)     1       Material group (EC 60664-1)     1	ECLASS-10.1	27060311
ETIM 4.0EC001865custors fartif number8544290GTIN4048879309121Rekaging unit1Electrical data   SupplyOperating voltage DC24 VOperating voltage DC max.30 VOperating voltage DC max.90 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDgreen, white, yellowInstallation   ConnectionMounting setM12 x 1Device protection   ElectricalAddition protection degreeinserted, screwedPollution Degree3Rate surge voltage0,8 kVMaterial group (IEC 60664-1)1Mechanical data   Material dataCoating lookingnickel platedCoating lookingnickel platedCoating looking materialZine di-castingMaterial screw connectionZine di-castingMaterial screw connectionSi °C	ECLASS-11.1	27060311
busine tariff number     85444290       GTIN     4048879369121       Packaging unit     1       Electrical data [Supply     Electrical data [Supply       Oparating voltage DC     24 V       Oparating voltage DC max.     30 V       Oparating voltage DC max.     30 V       Oparating voltage DC max.     30 V       Oparating voltage DC max.     4 A       Diagootice     green, white, yellow       Itastilation LDD     green, white, yellow       Installation [Connection     green, white, yellow       Muting set     M12 x 1       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Polution Degree     3       Additional condition protection degree     inserted, screwed       Polution Degree     3       Coating of fitting     nickel plated       Locking material     Zm de-casting       Material screw connection     Zm de-casting       Material screw connection     Inserted, screwed, Shaking protection       Mechanical data [Mounting data     Zm de-casting <	ECLASS-12.0	27060311
CTIN 4048879369121   Packaging unit 1   Electrical data   Supply    Operating voltage DC 24 V   Operating voltage DC max. 30 V   Operating voltage DC max. 30 V   Operating voltage DC max. 30 V   Current operating voltage DC max. 4 A   Diagnostic    Status indication LED green, white, yellow   Installation   Connection    Mouning set M12 x 1   Device protection   flectrical   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0.8 kV   Material group (IEC 60664-1) 1   Mechanical data   Material data Zinc die-casting   Coating of fitting nickel plated   Coating of fitting Nickeled   Coating of fitting inserted, screwed, Shaking protection   Material screw contection Zinc die-casting   Material screw contectio	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply     Operating voltage DC   24 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Current operating per contact max.   4 A     Dagoestics   green, white, yellow     Installation   Connection   M12 x 1     Device protection   Electrical   M12 x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (EC 60668-1)   1     Mechanical data   Material data   Inc die casting     Coating locking   Nickeled     Coating of fitting   nickel plated     Lucking material   Zinc die casting     Mechanical data   Mounting data   Ince die casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   25 °C     Operating temperature min.   -25 °C     Operating temperature range   depending on cable quality     Operating temperature range   depending on cable quality	customs tariff number	85444290
Electrical data   Supply       Operating voltage DC     24 V       Operating voltage DC ma.     18 V       Operating voltage DC ma.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     14 A       Diagnostics        Status indication LED     green, white, yellow       Installation   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Device protection   Electrical        Additional condition protection degree     instretd, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Zinc dic-casting       Material group (IEC 60664-1)     1       Coating of fitting     nickel plated       Locking material     Zinc dic-casting       Material screw connection     Zinc dic-casting       Material screw connection     Sincedic-casting       Material characteristics   Climatic     Operating temperature min.       -25 °C     Op	GTIN	4048879369121
Operating voltage DC     24 V       Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Operating voltage DC max.     10 V       Current operating per contact max.     4 A       Diagnostics     green, white, yellow       Installation I CD     green, white, yellow       Installation I Connection     M12 x 1       Device protection I electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rate d surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickele plated       Coating of fitting     inserted, screwed, Shaking protection       Meterial screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Meterial chal Mounting data     Sice wed, Shaking protection       Meterial characteristics   Climatic     Qice casting       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating tempera	Packaging unit	1
Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Current operating voltage DC max.   4 A     Diagnostics   green, white, yellow     Installation I CD   green, white, yellow     Installation I Connection   M12 x 1     Device protection I Electrical   M12 x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Qiongenatic     Operating temperature min.   -25 °C     Operating temperature min.	Electrical data   Supply	
Operating voltage DC max.     30 V       Operating voltage DC max. (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     green, white, yellow       Installation I Connection     green, white, yellow       Installation I Connection     M12 x 1       Device protection I Electrical     mounting set       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Casting of fiting       Coating of fiting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coeperating temperature max.       Operating temperature max.     85 °C       Operating temperature range     depending on cable quality       Operating temperature max.     85 °	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     green, white, yellow       Installation IED     green, white, yellow       Installation IConnection     M12 x 1       Device protection I Electrical     mserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating of fitting       Operating temperature min.     -25 ° C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Product standard     DIN EN	Operating voltage DC min.	18 V
Current operating per contact max.   4 A     Diagnostics   green, white, yellow     Installation   Connection   installation   Connection     Mounting set   M12 x 1     Device protection   Electrical   inserted, screwed     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Keled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Contornity   Din EN 61076-2-101 (M12)	Operating voltage DC max.	30 V
Diagnostics       Status indication LED     green, white, yellow       Installation   Connection     Mul2 x 1       Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Mickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material srew connection     Zinc die-casting       Methanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Journamental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Jin En 61076-2-101 (M12)	Operating voltage DC max. (UL-listed)	30 V
Status indication LED     green, white, yellow       Installation   Connection     M2 x 1       Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60684-1)     I       Mechanical data   Material data     Vickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material strew connection     Zinc die-casting       Material farew connections (Simple et al. Screwed, Shaking protection     Environmental characteristics   Climatic       Deprating temperature min.     -25 °C     Operating temperature min.       Operating temperature min.     26 °C     Additional condition temperature range       Additional condition temperature range     depending on cable quality       Product standard     DIN EN 61076-2-101 (M12)	Current operating per contact max.	4 A
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     is serted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     1       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Sine die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coeperating temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard	Diagnostics	
Munting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     3       Pated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     S <sup>o</sup> C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Environmental characteristics   Climatic       Product standard     DIN EN 61076-2-101 (M12)	Status indication LED	green, white, yellow
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Vickeled       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     DIN EN 61076-2-101 (M12)	Installation   Connection	
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Environmental characteristics   DIN EN 61076-2-101 (M12)	Mounting set	M12 x 1
Pollution Degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Vickeled     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   UN EN 61076-2-101 (M12)	Device protection   Electrical	
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)	Additional condition protection degree	inserted, screwed
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     DIN EN 61076-2-101 (M12)	Rated surge voltage	0,8 kV
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     DIN EN 61076-2-101 (M12)	Material group (IEC 60664-1)	
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)		
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)	Coating locking	Nickeled
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coperating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)		
Material screw connection   Zinc die-casting     Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard	Locking material	· · · · · · · · · · · · · · · · · · ·
Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     DIN EN 61076-2-101 (M12)   DIN EN 61076-2-101 (M12)	Material screw connection	-
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard   DIN EN 61076-2-101 (M12)	Mechanical data   Mounting data	
Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Conformity Product standard   DIN EN 61076-2-101 (M12)	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     DIN EN 61076-2-101 (M12)	Environmental characteristics   Climatic	
Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     DIN EN 61076-2-101 (M12)	Operating temperature min.	
Additional condition temperature range depending on cable quality   Conformity IN EN 61076-2-101 (M12)	Operating temperature max.	
Conformity   Product standard DIN EN 61076-2-101 (M12)	Additional condition temperature range	
Product standard DIN EN 61076-2-101 (M12)		
		DIN EN 61076-2-101 (M12)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Cable identification	635
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,8 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26