

M12 female 90° with cable

TPE 8x22AWG ye UL/CSA. ITC/PLTC 5m

Art.No.: 7700-17061-U0H0500 Weight: 0.368 Country of origin: DE Model designation: MSDL0-08DU0H 5.0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

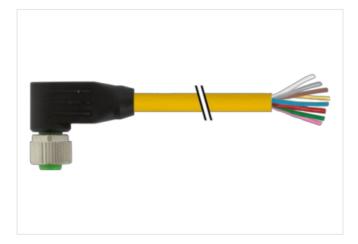
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

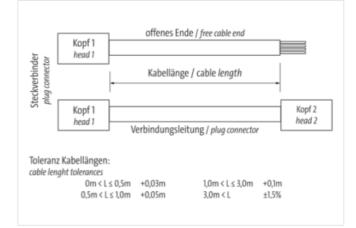
Product details: Female 90° M12, 8-pole without cable sleeves Cable is approved for 300 V USA Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

Illustration

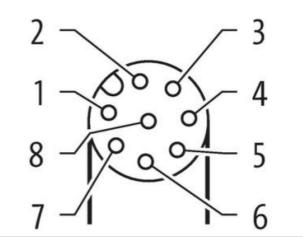


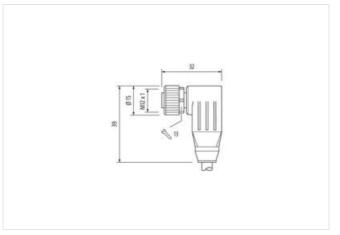


The information in this Product-PDF has been compiled with the utmost care Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-04



1	── WH	
2.	BN	
3)	GN	
1 >	YE	
+)	GY	
5)	РК	
	BU	
8 >	RD	
<u>ر د</u>		





Product may differ from Image



5 m

Cable length

ouble longin	
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	60 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311

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: 2025-08-04



ECLASS-111 27069311 ECLASS-12.0 27069311 ETMA-5.0 EC00030 customs fairf number E544230 EAN 448E7776855 Packagin unit 1 Electrical dias [Suppy] Operating voltage AC max. 30 V Operating voltage AC (IL-Listed) 50 V Installation Concection Effectival Additional condition protection degree 60 mm Device protection Effectival Addition Concection Additional condition protection degree 0.8 kV Material goup (EC 6066-1) i <	ECLASS-10.1	27060311
ECLASP.120 2780311 ETMA-5.0 EC000830 cuttoms tariff number 8544270 EAN 404877748630 Pockaging unit 1 Electrical data [Supply		
FTN 6.0ECON830customs tariff number8544290EAN44489774858Packaging unti1Electrical data (Suppy)Operating voltage AC max.30 VOperating voltage AC (Linklet)30 VBesice protection flectricalXerweedAddional condition protection degreeinserted, scrweedPollution Dagree3Retate surge voltage0, 8 V VMaterial group (EC 60664-1)1Hechanical dataVincleMaterial group (EC 60664-1)1Material Group (EC		
customs tauff number 8544280 EAN 40487974858 Packaging unit 1 Electrical data [Suppiy		
EAM 4048079748858 Packaging unit 1 Electrical data Supply Operating voltage AC max. 30 V Operating voltage AC max. 30 V Operating voltage AC (uL-listed) 30 V Operating voltage DC (uL-listed) 30 V Operating voltage DC (uL-listed) 30 V Current operating per context max. 2 A Installation I Connection 5 Stripping length (iacket) 60 mm Device protection [Electrical	customs tariff number	
Electrical data Supply Upper lain yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC (UL-listed) 30 V Operating yollage DC (UL-listed) 30 V Current operating per context max. 2 A Installation Connection Installation Connection Electrical Additional condition protection degree Inserted, screwed Inserted, screwed Inserted, screwed Additional condition protection degree 0.8 kV Inserted, screwed Inserted, screwed Rated surge yoltage 0.8 kV Inserted, screwed Inserted, screwed Inserted, screwed Material prop (EC 6064-1) 1 Inserted, screwed, Schaking protection Inserted, screwed, Schaking protection Contour for corrugated hose without Inserted, screwed, Schaking protection Inserted, screwed, Schaking protection Coating inserted Material bouting data Inserted, screwed, Schaking protection Inserted, screwed, Schaking protection Coating inserted Material boutinserter screwed, Schaking protection Inserted,		
Electrical data Supply Upper lain yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Operating yollage DC max. 30 V Supplementation (Connection Connection (Connection (Conne	Packaging unit	1
Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 2 A Installation Connection Installation Connection Stripping length (jacket) 60 mm Device protection Electrical Additional condition protocilion degree Additional condition protocilion degree 0.8 kV Material aroung (Ge 06664-1) 1 Mechanical data Unit aroung (Ge 0666-1) Mechanical data Mechanical data Material housing PUR Coating locking Nickeled Locking metrial Zine (Ge-casting) Mechanical data Mounting data Inserted, screwed, Shaking protection Porating lemperature max. 83 °C Additional condition temperature max. 83 °C <		
Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 2 A Installation Connection 50 m Device protection Electrical 60 m Additional condition protection degree inserted, screwed Pollution Degree 3 Retact surge voltage 0.8 kV Material group (IEC 60664-1) 1 Mechanical data UR Contor for corrugated hose without Mechanical data Material data UR Costing instrictal Zhor disc-asting Mechanical data Mounting data VLR Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic C Operating reliance Generating Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Condition temperature max. Operating reliance min. -30 °C Operating inserted are many on cable quality Important installation notes Note on stain relief Protect the connectors by suitable measures fro		
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 2 A Instaliation Connection Stripping longht (jacket) 60 mm Device oprotection Electrical Additional condition protection degree 3 Additional condition protection degree 3 Restard surge voltage 0.8 kV Material group (ICC 60664-1) 1 Installation Connection Material data Contour for corrugated hose without Material data Material data Material data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Conting locking PUR Costing locking Nickeled Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min.		
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 2 A Installation (Concection Example Stripping length (jacket) 60 mm Device protection Electrical		
Current operating per contact max. 2 A Installation Connection Stripping length (jacket) 60 mm Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 3 Rated surge voltage 0.8 kV Material group (IEC 60664-1) Mechanical data Controur for consystem hose without Mechanical data Material data Control for consystem hose without Mechanical data Material data Tice die-casting Costing Mechanical data Mounting data Nickeled Costing for construct max. Constring method inserted, screwed, Shaking protection Environmental characteristics Climation Pervising temporature max. 65 °C Additional condition notes Cooler of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the iP protection class can be endangered by excessible bending radii when laying cables, as the iP protection class can be endangered by excessible bending radii when laying cables, as the iP protec		
Installation Connection 60 mm Device protection Electrical 60 mm Additional condition protection degree inserted, screwed Pollution Degree 3 Rate darge voltage 0,8 VV Mechanical data 0.9 kV Mechanical data V Mechanical data V Mechanical data Material group (166 606641) 1 Mechanical data Material group (166 606641) 1 Contour for corrugated hose without Mechanical data Material group (166 606641) 1 Coating locking PUR Coating locking Nickeled Locking material Zinc die-casting Munting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Vortection Operating temperature min. -30 °C Operating temperature min. 45 °C Additional condition temperature ange depending on cable quality Important installation notes Additional condition temperature and Note on bending radiu Alterno: Cobserve the permissible bending radi who laying cables, as the IP pro		
Stripping length (jacket) 60 mm Device protection Electrical Additional condition protection degree 3 Rated surge voltage 0.8 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Without Wechanical data Contour for corrugated hose without Mechanical data Wechanical data Conting for Corrugated hose without Decining locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Pervicemental characteristics Climatic Geperating temperature min. Operating temperature min. -30 °C Operating temperature min. -30 °C Additional condition temperature mase despending on cable quality Important installation notes Attertion: Observe the pormissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product stand DIN EN 61076-2-101 (M12) Installation Cable UPH Cable identification Wire arrangemont red, forown, white, blue, pink, gray, yellow, green)<	Current operating per contact max.	2 A
Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge vortage 0.8 kV Material group (IEC 60664-1) 1 Mechanical data Contour for corrugated hose without Mechanical data [Material al Material Material Material Material al Material al Material Mater	Installation Connection	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 80664-1) I Mechanical data	Stripping length (jacket)	60 mm
Pollution Degree 3 Rated surge voltage 0,6 kV Material group (EC 60664-1) 1 Mechanical data Contour for corrugated hose without Mechanical data Contour for corrugated hose without Mechanical data Contour for corrugated hose without Mechanical data Costing locking Nickeled Locking material Zinc die-casting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. A0 °C Operating temperature max. A5 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101	Device protection Electrical	
Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Without Mechanical data Material housing PUR Costing locking Nickeled Locking material Zinc die-casting Mechanical data Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief DIN EN 61076-2-101 (M12) Installation (Cable Weire arrangement wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable Identification UOH Jacket Color yellow Type of Certificate CURus Amount stranding 1	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) I Mechanical data Image: Controp of corrugated hose Victor for corrugated hose without Mechanical data Material housing PUR Coating locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Material orcessive the permissible bending radii when laying cables, as the IP protection class can be endiagered by excessive bending forces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endiagered by excessive bending forces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endiagered by excessive bending forces. Conformity Pro	Pollution Degree	3
Mechanical data Contour for corrugated hose without Mechanical data Material data Material housing PUR Coating locking Nickeled Locking metrial Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation Cable Installation [Cable dontification] UPI wrie arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable dontificatie UBus Type of Certificate CuBus	Rated surge voltage	0,8 kV
Contour for corrugated hose without Mechanical data Material data Material housing PUR Coating focking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. 85 °C Additional condition temperature may. 85 °C Additional condition temperature max. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity V Product standard DIN EN 61076-2-101 (M12) Installation / Cable V wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable Identification UOH Jacket Color yellow Type of Certificate cURus	Material group (IEC 60664-1)	Ι
Mechanical data Material data Material housing PUR Coating locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation I Cable wrise arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Cartificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire a	Mechanical data	
Mechanical data Material data Material housing PUR Coating locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation I Cable wrise arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Cartificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire a	Contour for corrugated hose	without
Material housing PUR Coating locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate CURus Amount stranding <	-	
Coating locking Nickeled Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12) Installation Cable urie arrangement wrie arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cURus Amount stranding 1 Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Strandi	•	
Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature may depending on cable quality Important installation notes Mote on strain relief Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cUBus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twi		
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature man. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable uvie arrangement red, (brown, while, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, while, blue, pink, gray, yellow, green) Cable weigth 70.4 g/m Material jacket TPE Stranding 1 Stranding 1 Stranding 7 wires		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	-	Zinc die-casting
Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification U0H Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes	Mechanical data Mounting data	
Operating temperature min30 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardProduct standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUMJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification U0H Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification U0H Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth	Operating temperature min.	-30 °C
Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm	Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	Additional condition temperature range	depending on cable quality
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	Important installation notes	
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		Protect the connectors by suitable measures from mechanical loads e.g. by the usage of cable ties
Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable identification UOH Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		
Product standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	Note on bending radius	
Product standardDIN EN 61076-2-101 (M12)Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	Conformity	
Installation Cablewire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		DIN EN 61076-2-101 (M12)
wire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		
Cable identificationUOHJacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		and (haranya nakita khua miala anan nallana awaan)
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	-	
Type of CertificatecURusAmount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		
Amount stranding1Stranding7 wires around 1 Wire with Filler twistedFilleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm		
Stranding 7 wires around 1 Wire with Filler twisted Filler yes wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		
Filleryeswire arrangementred, (brown, white, blue, pink, gray, yellow, green)Cable weigth70,4 g/mMaterial jacketTPEFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,76 mm	-	
wire arrangement red, (brown, white, blue, pink, gray, yellow, green) Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		
Cable weigth 70,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		-
Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,76 mm		
Outer-diameter (jacket) 6,76 mm	-	
rmation in this Product-PDF has been compiled with the utmost care.		

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: 2025-08-04



Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	8
Outer diameter insulation	1,27 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	19
Diameter of single wires	34 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	46,9 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	105 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
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	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	3 Mio.
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: 2025-08-04