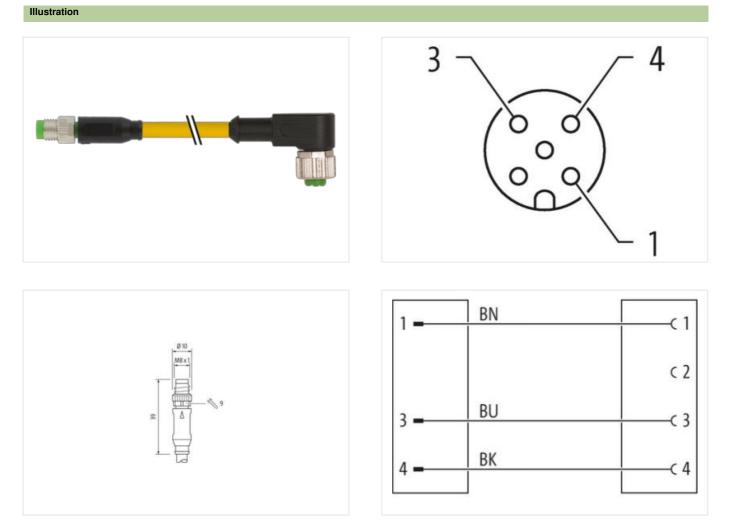


## M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+robot+drag ch. 5m

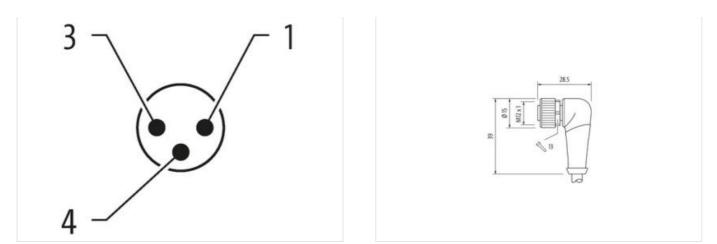
Male straight – female 90° Zinc die casting, save-cover coated M8 – M12, 3-pole M12, A-coded Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
	27060311

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calators kirl number444489CTIN4048871/23180Prackajng unt1Electrical data I Suppy50 VOperating voltage AC max.60 VOperating voltage AC max.60 VOperating voltage AC (UL-liabad)30 VDevice protection I ElectricalImage AC (UL-liabad)Device protection I ElectricalImage AC (UL-l	ETIM-5.0	EC001855
Packaging unit       1         Electrical data i Sagny       Sol V         Operating voltage AC max.       60 V         Operating voltage AC max.       60 V         Operating voltage AC full. sited       30 V         Datapositic       The Status indication LED         Datage protoction [Electrical       Depreservoltage voltage AC full. Sited         Dapposed protoction (FL CE 00050 // 1       1         Material group (FL CE 00564 // 1)       1         Material group (FL CE 00566 // 1)	customs tariff number	85444290
Electrical data   Supply       Concentral voltage AC max.       50 V         Operating voltage DC max.       60 V       Concentral voltage DC max.       60 V         Operating voltage AC (UL-Island)       30 V       Concentral voltage DC (UL Island)       30 V         Operating voltage AC (UL-Island)       30 V       Concentral voltage prevented max.       4 A         Diagnocita       V       Voltage voltage CO (UL Island)       80 V         Concentral voltage prevented max.       4 A       Voltage voltage CO (UL Island)       80 V         Device protection (EN IEC 60028)       IPBs, IPB7, IPB8, IPB8, IPB8, IPB7, IPB8, IPB8	GTIN	4048879123150
Electrical data   Supply       Concentral voltage AC max.       50 V         Operating voltage DC max.       60 V       Concentral voltage DC max.       60 V         Operating voltage AC (UL-Island)       30 V       Concentral voltage DC (UL Island)       30 V         Operating voltage AC (UL-Island)       30 V       Concentral voltage prevented max.       4 A         Diagnocita       V       Voltage voltage CO (UL Island)       80 V         Concentral voltage prevented max.       4 A       Voltage voltage CO (UL Island)       80 V         Device protection (EN IEC 60028)       IPBs, IPB7, IPB8, IPB8, IPB8, IPB7, IPB8, IPB8	Packaging unit	1
Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Diagnostics       Image: AA A         Diagnostics       Image: AA A         Device protection   Electrical       Image: AA A         Device protection   Electrical       Image: AA A         Dagree of protection   Electrical       Image: AA A         Reado surge voltage       1,5 kV         Material group (EC 60664-1)       1         Method group (EC 60664-1)       1		
Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Diagnostics       Image: AA A         Diagnostics       Image: AA A         Device protection   Electrical       Image: AA A         Device protection   Electrical       Image: AA A         Dagree of protection   Electrical       Image: AA A         Reado surge voltage       1,5 kV         Material group (EC 60664-1)       1         Method group (EC 60664-1)       1	Operating voltage AC max.	50 V
Operating voltage DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Concernet operating per contract max.       4         Diagnostics       no         Device protection [Electrical       no         Metanial condition protection degree       3         Rend surge voltage       1,5 kV         Material position       screwed         Metanial costing       PLR         Mo		
Operating voltage DC (UL-listed)       30 V         Current operating per contaut max.       4 A         Diagnostics       Status indication LED       no         Device protection   Electrical       Electrical       Electrical control (EN IEC 60529)       1P65, IP67, IP68, IP69K         Additional contidue protection (EN IEC 60529)       1965, IP67, IP68, IP69K       Electrical control (EN IEC 60529)       3         Pollution protection degree       3       Status and control (Electrical (Electrical (Electrical Control (Electrical Control (Electrical Control (Electrical (Electrical Control (Electrical Control (Electrical Control (Electrical Control (Electrical Control (Electrical (Electrical (Electrical Control (Electrical Control (Electrical (E		
Ourrent operating per contact max.       4 A         Diagnostics       Status indication LED       no         Device protection [Electrical       Degroed optotection [Electrical       Degroed optotection [Electrical         Device protection [Electrical       PBS, IP67, IP68, IP66K       Additional condition protection degree       insented, screwed         Pollution Degree       3       Rated surge votage       1,5 kV         Material group (EG 66664+1)       I       Insented, screwed       Pollution Degree         Casting Locking       safe-cover coatad       Material possing (EG 6664+1)       Insented, screwed, Shaking protection         Material possing Locking       PUR       Insented, screwed, Shaking protection       Insented, screwed, Shaking protection         Recharical data [Material data       FXM       Material possing (ED 6664+1)       Insented, screwed, Shaking protection         Recharical data [Material data       FXM       Material possing (ED 6664+1)       Insented, screwed, Shaking protection         Recharical data [Material data       FXM       Material possing (ED 6664+1)       Insented, screwed, Shaking protection         Recharical data [Material data       FXM       Material possing (ED 6664+1)       Insented, screwed, Shaking protection         Recharical data [Material data		
Diagnostic       Display         Status indication LED       no         Device protection [Electrical       Device protection (EN EC 60529)       IP65, IP67, IP68, IP66K         Addinanal candition protection degree       inserted, screwed       Pollution Degree       3         Addinanal candition protection degree       inserted, screwed       Pollution Degree       3         Rated surge voltaga       1, 5 kV       Material group (IEC 6064-1)       1         Mechanical data [Material data       Canding loching       safe scower coated       Material gasket       FKM         Material gasket       FKM       FKM       Material gasket       FKM         Material gasket       PUR       Canding loching with gasket       FKM         Material gasket       FKM       Status in group (IEC 6064-1)       Status in group (IEC 6064-1)         Material gasket       FKM       Status in group (IEC 6064-1)       Status in group (IEC 6064-1)         Material gasket       FKM       Status in group (IEC 6064-1)       Status in group (IEC 6064-1)         Material gasket       Isofe dosting protection       Status in group (IEC 6064-1)       Status in group (IEC 6064-1)         Material isofe protection alsos in group (IEC 6064-1)       Isofe dosting prote		4 A
Device protection   Electrical         Degree of protection (EN EC 60529)       IP65, IP67, IP68, IP66K         Additional condition protection degree       isserted, screwed         Additional condition protection degree       isserted, screwed         Rated surge voltage       1,5 kV         Material group (IEC 606541)       I         Mechanical data   Material data       Mechanical data   Material data         Mechanical data   Material data       PUR         Locking maderial       Zinc die-casting         Metarial dasket       FKM         Mounting method       inserted, screwed, Shaking protection         Environmetal characteristics   Climatic       Sinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmetal characteristics   Climatic       Sinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmetal characteristics   Climatic       Sinc Gasting         Mounting method       inserted, screwed, Shaking protection methodical loads, e.g. by the usage of cable tes.         Addition al condition memorature range       depending on cable quality         Mounting method       screwed, Shaking protection gasting in all volus laying cables, as the IP protection class can be endangered by sccessive bending forces. </td <td></td> <td></td>		
Degree of protection (EN IEC 60529)       IP65, IP67, IP68, IP66K         Additional condition protection degree       inserted, screwed         Politation Degree       3         Rated surge voltage       1,5 KV         Material group (IEC 60664-1)       I         Mechanical data   Material data       Calma locking         Calma locking       Sele-cover coaled         Material gasket       FKM         Material gasket       FKM         Material pasket       Jr.nc die-casiling         Mechanical data   Mounting data       Cance method         Mounting method       inserted, screwed, Shaking protection         Enviromental characteristics [ Climatic       Se °C         Operating temperature min.       25 °C         Operating temperature max.       85 °C         Addition temperature max.       85 °C         Addition temperature max.       85 °C         Addition temperature max.       85 °C         Note on strain field       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 on installization fabs         DiN EN 610762-101 (M12), DIN EN 61076-	Status indication LED	no
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Sate-over coated     Mechanical data   Material data       Material pask     FKM       Material pask     Inserted, screwed, Shaking protection       Environmental characteristics (Climatic     Inserted, screwed, Shaking protection       Environmental characteristics (Climatic     SrC       Operating temperature max.     AS °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the parmissible bending radii when taying cables, as the IP protection class can be endergread by accessive bending forces.       Contemy	Device protection   Electrical	
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Sate-over coated     Mechanical data   Material data       Material pask     FKM       Material pask     Inserted, screwed, Shaking protection       Environmental characteristics (Climatic     Inserted, screwed, Shaking protection       Environmental characteristics (Climatic     SrC       Operating temperature max.     AS °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the parmissible bending radii when taying cables, as the IP protection class can be endergread by accessive bending forces.       Contemy	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Pollution Dagree   3     Rated surge voltage   1.5 KV     Material group (E 60664-1)   1     Mechanical data   Material data   Coating looking   safe-cover coated     Material gasket   FKM     Material gasket   FKM     Material gasket   FKM     Material data   Zinc die-casting     Mechanical data   Mounting data   Incertex-surger     Mounting method   inserted. screwed. Shaking protection     Environmental characteristics   Climatic     Coperating temperature min.   -25 °C     Operating temperature max.   68 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Attention: Observe the parmissible bending radii when taying cables, as the IP protection class can be endergread by excessive bending forces.     Conormity   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, s.g. by the usage of cable ties.     Metaritation Otes   Conormity     Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation I Cable   From, black, blue     Cable identification   050     Cable identification   050     Cable identification		
Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       Image: Control of Contro of Control of		
Material group (IEC 60664-1)       I         Mechnical data   Material data          Coating locking       sale-cover coated         Material gaset       FKM         Material paset       FKM         Material paset       FKM         Material paset       FKM         Material housing       PUR         Locking material       Zinc die-casting         Mechnical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Coperating temperature max.         Operating temperature max.       85 °C         Addition temperature range       depending on cable quality         Important installation notes       Note on stain relief         Note on stain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Cable Type       5         Jacket Color       yellow         Type of Correction       5         Jacket Color       yellow         Type of Certificate       CURus         Anount stranding <td></td> <td></td>		
Mechanical data   Material data         Coating looking       safe-cover coated         Material pasket       FKM         Material housing       PUR         Locking material       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temporature min.         Operating temporature min.       -25 °C         Operating temporature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Store Characteristics   Climatic         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.         Contornity       Product tandard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       standard       Store Active (Store (Store Active (Store Active (Store Active (Store Active (Store A		· · · · · · · · · · · · · · · · · · ·
Material gasket       FKM         Material brousing       PUR         Locking material       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature max.       85 °C		
Material gasket       FKM         Material brousing       PUR         Locking material       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Coating locking	safe-cover coated
Material housing       PUR         Locking material       Zinc cie-casting         Mechanical data   Mounting data       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         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 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.         Contemity       Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       brown, black, blue       Cable identification         Cable identification       050       Cable identification       050         Cable identification       050       Cable identification       Cable weight       25.4 g/m         Attentident stranding		
Locking material       Zinc die-casting         Mechanical data   Mounting data       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         Important installation notes       Mouting radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending fradii when laying cables, as the IP protection class can be endingered by excessive bending fradii         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 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       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Use of anney to prove of sustecled         uisaket Color		
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important Installation notes       Mounting radius         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Product standard       DIN EN 61076-2-111 (M12), DIN EN 61076-2-114 (M8)         Installation (Cable       Universe of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Viet arrangement       Down, black, blue         Cable identification       050         Cable fortige       GuBus         Anount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigh       26.4 g/m         Anount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         C		
Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Columatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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       Inserted, screwed, Shuke         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Inserted, screwed, Shuke         wire arrangement       brown, black, blue         Cable forpe       5         Jacket Color       yellow         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable type       5         Jacket Color		
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Mote 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), DIN EN 61076-2-114 (M8)         Installation   Cable       wire arrangement       brown, black, blue         Cable fType       5		inserted screwed Shaking protection
Operating temperature min.     -25 °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.       Additional condition temperature range     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), DIN EN 61076-2-114 (M8)       Installation I Cable     wire arrangement     brown, black, blue       Cable identification     050     Cable Identificate       Type of Certificate     cURus     Amount stranding       Amount stranding     1     Stranding       Stranding     3 wires twisted     wire arrangement       wire arrangement     brown, black, blue     Cable weigth       Stranding     1     Stranding     1       Stranding     3 wires twisted     Material jacket     PUR       Shore hardness jacket     54 g/m     Stranding     5       Shore hardness jacket     54 g/m     Store hardness jacket	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     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), DIN EN 61076-2-114 (M8)       Installation   Cable     wire arrangement     brown, black, blue       Cable identification     050     Cable Type       Jacket Color     yellow     Yellow       Type of Certificate     cURus     Amount stranding       Attrading     3 wires twisted     Wire arrangement       brown, black, blue     Cable weigth     26.4 g/m       Material jacket     PUR     Stranding     Stranding       Shore hardness jacket     58 ± 3 Shore D     Stranding     Freedom from ingredients (jacket)       Pour-diameter (jacket)     4.3 mm     Tolerance outer diameter (sheath)     ± 5 %	· ·	
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), DIN EN 61076-2-114 (M8)       Installation   Cable     wire arrangement       brown, black, blue     Cable Type       Cable Type     5       Jacket Color     yellow       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     54 ± 3 Shore D       Freedom from ingredients (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %		
Important 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.ConformityDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   Cablebrown, black, blueCable identification050Cable identification050Cable I Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable identification050Cable I Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weighth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %		
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.ConformityInstallation   CableProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   Cablebrown, black, blueCable identification050Cable identification050Cable Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable identification050Cable dottyellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %		depending on cable quality
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), DIN EN 61076-2-114 (M8)       Installation   Cable     wire arrangement     brown, black, blue       Cable identification     050       Cable identification     050       Jacket Color     yellow       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %	•	Protect the connectors by suitable measures from machanical loads, e.g. by the usage of cable tice
Note on benduity radius     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       wire arrangement     brown, black, blue       Cable identification     050       Cable identification     050       Cable Color     yellow       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheatth)     ± 5 %		
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   Cablewire arrangementbrown, black, blueCable identification050Cable identification050Cable ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %	Note on bending radius	
Installation   Cablewire arrangementbrown, black, blueCable identification050Cable Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacket9 URShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Conformity	
wire arrangementbrown, black, blueCable identification050Cable Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification050Cable Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Installation   Cable	
Cable Type5Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	wire arrangement	brown, black, blue
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Cable identification	050
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Cable Type	5
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Jacket Color	yellow
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Type of Certificate	cURus
wire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Amount stranding	1
Cable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Stranding	3 wires twisted
Material jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	wire arrangement	brown, black, blue
Shore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Material jacket	PUR
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Shore hardness jacket	58 ± 3 Shore D
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)± 5 %		4,3 mm
Material wire insulation PP		±5%
	Material wire insulation	PP

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Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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