

## M8 male 0° / M8 female 0° A-cod.

PUR 4x0.25 bk UL/CSA+drag ch. 7.5m

Male straight - female straight

M8 - M8, 4-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

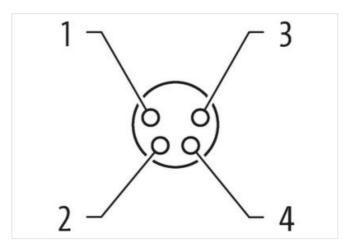
The resistance to aggressive media should be individually tested for your application. Further details on request.

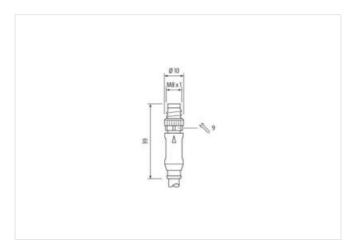
Further cable lengths on request.

## **Link to Product**

## Illustration



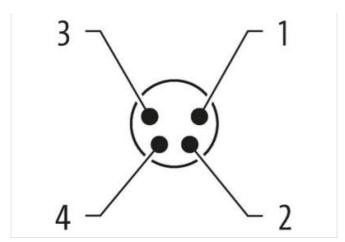








stay connected

















Cable length	7,5 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
Material contact	Copper alloy
No. of poles	4
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Material contact	Copper alloy
No. of poles	4
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879459143
Packaging unit	1
Electrical data   Supply	



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Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics  Status indication LED no Device protection   Electrical Degree of protection   Electrical Degree of protection (EN IEC 60629)   PBS, IP67, IP68, IP69K Additional condition protection degree   Inserted, screwed   Pollution Degree   3 Rated surge voltage   Inserted, screwed   Pollution Degree   Inserted, screwed, Shaking protection   Pure   In	Operating voltage AC max.	50 V
Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Degree of protection (ENIEC 60529)         IP65, IP67, IP68, IP68K         Additional condition protection degree         inserted, screwed           Pollution Degree         3         3         3         3         4 <td< td=""><td>Operating voltage DC may</td><td></td></td<>	Operating voltage DC may	
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Disegnetics         Tolerant operating per contact max.           Disegnetic protection (Electrical)         Tolerant operating per protection (EN IEC 60529)           Degree of protection (EN IEC 60529)         IPS6, IPS7, IPS8, IPS8K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         I           Michanical data   Material data         Coating locking           Coating locking         Nickeled           Material passer         FIXM           Material pousing         PUR           Locking material         Zinc dis-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climate         Coperating temperature min.           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending bending radii when laying cables, as the IP protection class can be endanged by excessive bending bending radii		
Current operating per contact max.         4 A           Diagnotisis         Status indication LED         no           Device protection [Electrical]         Device protection (EN IEC 60529)         IP68, IP68, IP68, IP68 M           Additional condition protection degree         inserted, screwed           Pollution Degree         3         Rated surge voltage           Rated surge voltage         1,5 kW           Material group (IEC 606641)         I           Michanical datal [Muterial data         Very Michanical datal [Muterial data]           Material pasket         FXM           Mechanical datal [Mounting data         FVR           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C         -25 °C           Operating temperature map.         des °C         -25 °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 fees.           Note on brading radius         Attention: Observe the permissible bending radi when laying cables, as the IP protection class can		
Diagnostics   Status indication LED   no   no   Device protection   Electrical   Diagnet of protection (EN IEC 06529)   F965, IP67, IP68, IP66K   Additional condition protection degree   isserted, screwed   Pollution Degree   3   Rated surge voltage   1,5 kV   Material group (IEC 06564-1)   1   Mechanical data   Material group (IEC 06564-1)   1   Mechanical data   Material data		
Status indication LED no  Device protection   Electrical  Degree of protection   Electrical  Degree of protection (EN IEC 60529)   P65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60564+1)   I  Mechanical data   Material data  Coating locking Nickolod  Material housing PUR  Locking material  Locking material  Locking material  Mechanical data   Munting data  Michanical data   Munting data  Munting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min. 2.5 °C  Operating temperature min. 35 °G  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 Atlantical Cobserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contomity  Product standard DIN EN 61076-2-114 (MB)  Institution: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Cable identification Gable  wire arrangement brown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Drown, black, blue, white  Cable identification Gable  wire arrangement Gable, 4 wires wisted  wire arrangement Gable, 4 wires wis		44
Degree of protection   Electrical   Peps, IP65, IP67, IP68, IP66K   Additional condition protection degree   inserted, screwed   Follotion Degree   3   Rated surge voltage   1,5 kV   Inserted   In	Diagnostics	
Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60644-1)         I           Coating locking         Nickeled           Material gasket         FKM           Material possing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mochanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain reflet         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 analyzed to the permissible bending radii when laying cables, as the IP protection class can be analyzed to the permissible bending forces.           Conformity         Bin Ka 1076-2-114 (M8)	Status indication LED	no
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking Nickeled Material pasket FKM Material housing PUR Locking material Degree in Section   Degree in Sectio	Device protection   Electrical	
Pollution Degree   3   Rated surge voltage   1,5 kV	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Raterial group (IEC 60664-1)         1.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Vickeled           Material gasket         FKM           Material housing         PUR           Locking material         2 ince de-casting           Mechanical data   Mounting data         Wechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comparing temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature many.         45 °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 lites.           Note on brading radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Viral follows: The follows: The follows of the follows: The follo	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate URUs  Atwards (URUs  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 33 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 %nore A  Freedom from ingredients (jacket) Leaf-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) ± 5 %	Pollution Degree	3
Mechanical data   Material data   Mickeled	Rated surge voltage	1,5 kV
Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable (doriffication 631  Cable (Type 3  Jacket Color black  Amount stranding 1  Stranding 4 wire stranding 5  Amount stranding 1  Stranding 4 wire arrangement brown, black, blue, white  Cable weigh 33 g/m  Material jacket PUR  Shore hardness jacket 90 st 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) ± 5 %	Material group (IEC 60664-1)	I
Material pasket FKM Material pasket PUR Locking material Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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  Froduct standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate CURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 33 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %	Mechanical data   Material data	
Material gasket FKM Material housing PUR Locking material 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  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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white Cable identification 631  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weigh 33 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %	Coating locking	Nickeled
Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting deta           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           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   Subserved of the protection class can be endangered by excessive bending forces.           Product standard         Din En 61076-2-114 (MB)           Installation   Cable         Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         631           Cable (John Color)         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Wire arrangement         brown, black,		
Decking 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         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 61076-2-114 (M8)           Installation   Cable         brown, black, blue, white           Cable identification         631           Cable with gradiant stranding         1           Stranding         4 wires twisted           wire arrangement		Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable identification 631  Cable Type 3  Jacket Color black  Type 0 Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
Environmental characteristics   Climatic  Operating temperature min25 °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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 g/m  Material jacket PUR  Shore hardness jacket 90±5 Shore A  Freedom from ingredients (jacket) tead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.  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.  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 61076-2-114 (M8)  Installation   Cable  wire arrangement  brown, black, blue, white  Cable identification  631  Cable Type  3  Jacket Color  black  Type of Certificate  Amount stranding  1  Stranding  4 wires twisted  wire arrangement  brown, black, blue, white  Cable weigth  33 g/m  Material jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  PUR  Freedom from ingredients (jacket)  L5 %  L5 %  Description and the surface outer diameter (sheath)  ± 5 %  L5 %  Description and the surface and the		
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.  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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ±5 %		-25 °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 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %	<u> </u>	
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Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Installation   Cable       wire arrangement     brown, black, blue, white       Cable identification     631       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     33 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)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %		DIN FN 61076-2-114 (M8)
wire arrangement brown, black, blue, white  Cable identification 631  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		211 CT0707 2 T14 (NO)
Cable identification       631         Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       33 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)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %	·	
Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       33 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)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %		
Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
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Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 33 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
wire arrangement brown, black, blue, white  Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
Cable weigth 33 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
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) 4,5 mm Tolerance outer diameter (sheath) ± 5 %		
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  7. July 1.	<u> </u>	
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %		
Tolerance outer diameter (sheath) ± 5 %		
		· ·
Material wire insulation DD		
Material wire insulation PP		
Amount wires 4		
Outer diameter insulation 1,25 mm		·
Outer diameter tolerance core insulation ± 5 %  Share hardness wire insulation 70 + 5 Share D		
Shore hardness wire insulation 70 ± 5 Shore D	Shore naturiess wire insulation	10 ± 3 31016 D
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Ingradiant fragness wire inquieries	load from andmium from CEC from hologon from alliance from



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	3,6 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
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
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)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min