

## M12 male 0° / M12 female 0°

PUR 5x0.5 gy drag ch. 2.5m

Male straight – female straight M12 – M12, 5-pole with cable sleeves

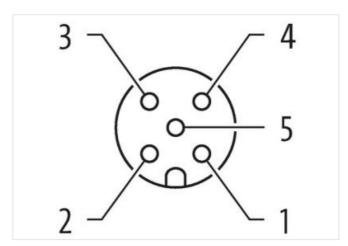
Plastic housings with good resistance against chemicals and oils.

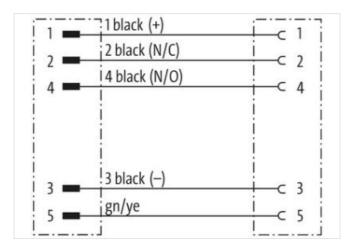
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

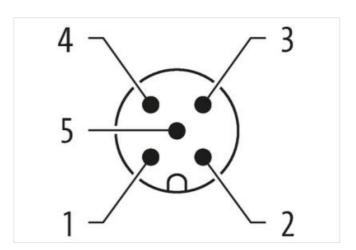
## **Link to Product**

## Illustration



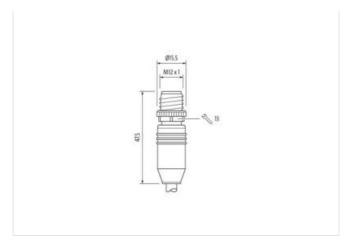


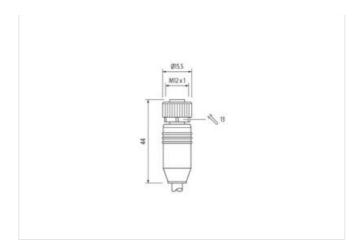






## stay connected





Product may differ from Image











Cable length	2,5 m	
Side 1		
Tightening torque	0,6 Nm	
Family construction form	M12	
Thread	M12 x 1	
Coding	A	
No. of poles	5	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP67	
Side 2		
Tightening torque	0,6 Nm	
Family construction form	M12	
Thread	M12 x 1	
Coding	A	
No. of poles	5	
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	4048879406253	
Packaging unit	1	
Electrical data   Supply		
Operating voltage AC max.	125 V	
Operating voltage DC max.	125 V	
Current operating per contact max.	4 A	
Diagnostics		



stay connected

Device protection   Electrical           Additional condition protection degree         inserted, screwed           Protection Degree         3           Stated surge voltage         1,5 kV           Mochanical data   Material docts         Voltage voltage           Mochanical data   Material docts         No-keloid           Material prouse of protection         PUR           Locking material         Zinc dis-cessing           Mechanical data   Mounting data         William (Bould of the Common of the Com	Status indication LED	no	
Pollution Degree 3 Rated surge vortinge vortinge 1,5 kV  Mochanical data   Material data  Coating locking Nickeried (proug PCE 60684-1) 1  Mochanical data   Material data  Coating locking PPR Locking material 2   Zinc die-casting   Nickeried Material flousing PPR Mochanical data   Mounting data data   Moun	Device protection   Electrical		
Rated signoy (IEC 60664-1) I Coating tocking Material group (IEC 60664-1) I Coating tocking Material facts   Misterial data Material protein   Material facts   Misterial data Material footing PUR Locking material Zinc de-easting Mechanical data   Misterial data Misterial housing Locking material Mounting method Environmental characteristics   Climatic  Operating temperature max. 85 °C Operating feator max. 95 °C Strong and temperature max. 95 °C Strong temperature max. 95 °C Operating temperature max.	Additional condition protection degree	inserted, screwed	
Meterial group (IEC 50864-1)  Mechanical data   Material data   Material data   Cacilarig backing   Nickeled   Material housing   PUR   Locking material   Zinc die casting   Mechanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protoction   Environmental characteristics   Climatic   Operating temperature max.   85 °C   Operating temperature max.   90 °C	Pollution Degree	3	
Mochanical data   Material data   Material data   Material doubling   Nickeled	Rated surge voltage	1,5 kV	
Coating tooking         Nickeled           Material housing         PUR           Locking material         Zinc de-easting           Mochanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climities         Commental characteristics   Climities           Environmental characteristics   Climities         Commental persperature min.         25 °C           Operating temperature max.         85 °C         Activation of Coation (Inserted Inserted Insert	Material group (IEC 60664-1)	1	
Material housing PUR Locking material Locking material Locking material Locking material Locking material Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Departing temperature min25 °C Operating temperature min25 °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  Product standard Dink 8 (100 - 20 - 10) (M12) Installation   Cable  wire arrangement Black 4, black 3, black 2, black 1, green-yellow Cable identification 437  Printing color of view insulation white (isolation black) Lizeket Color gray  Amount stranding 1 Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor min. 85 ± 5 Shore A  Fleece  Fleece Head of the cadminum-free, CFC-free, halogen-free, sillcone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (speath) ± 5 %  Shouler diameter (speath) ± 5 Shore A  Fleecom from ingredients (jacket) 59 Shore A  Floredom from ingredients (jacket) 90 ± 5 Shore A  Floredom from ingredients (jacket) 1,7 mm  Outer diameter (speath) 45 Shore A  Floredom from ingredients (jacket) 25 Shore A  Floredom from ingredients (jacket) 31 Shore A  Floredom from ingredients (jacket) 45 Shore A  Floredom from ingredients (jacket) 45 Shore A  Floredom from ingredients (jacket) 4	Mechanical data   Material data		
Material housing PUR Locking material Locking material Locking material Locking material Locking material Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Diperating temperature min.	Coating locking	Nickeled	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climato  Operating temperature min.		PUR	
Inserted, screwed, Shaking protection	_ocking material	Zinc die-casting	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 9.25 °C Operating temperature may. 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 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 black 4, black 3, black 2, black 1, green-yellow Cable identification 437  Printing color of wire insulation white (isolation black) Jackel Color gray Amount stranding 1  Stranding 5 wires around Core filler twisted Stranding factor min. 75 mm Stranding factor min. 75 mm Stranding factor mix. 75 mm Banding Fleece Filler yes Weie arrangement black 4, black 3, black 2, black 1, green-yellow Cable weight 57,2 g/m Material jacket PUR  Total cable feet of the insulation PP  Amount stranding 1 is dead in the insulation PP  Amount wires color of insulation PP  Amount wires 5 5  Louter diameter (jacket) 5.5 %  Material wire insulation PP  Amount wires 15 %  Material wire insulation PP  Amount wires 15 %  Material wire insulation PP  Amount wires 15 %  Material wire insulation white (solation black)  Louter diameter relevance core insulation white (solation black)  Amount strandes (wire) 2.8  Dinameter of single wires 10,15 mm  Conductor crossection (wire) 0,5 mm²	Mechanical data   Mounting data		
Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C 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 from the laying cables, as the IP protection class can be endangered by excessive bending from the laying cables, as the IP protection class can be endangered by excessive bending from the 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  Write arrangement Diack 4, black 3, black 2, black 1, green-yellow Cable identification 437  Amount stranding 1  Stranding factor min. 5 mm  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  Write arrangement Diack 4, black 3, black 2, black 1, green-yellow Cable weight 57.2 g/m  Material jacket 1 black 4, black 3, black 2, black 1, green-yellow Cable weight 57.2 g/m  Material jacket 1 black 4, black 3, black 2, black 1, green-yellow Cable weight 6,2 mm  Outer diameter (facket) 1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter insulation PP  Finder of wire insulation 1,7 mm  Outer diameter insulation 9.1 ± 5 %  Shore hardness wire insulation white (isolation black)  Amount strands (wire) 28  Dinameter of single wires 0,15 mm  Conductor crossection (wire) 0,5 mm²	•	inserted, screwed, Shaking protection	
Operating temperature min.	-	<del>-</del> '	
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 61076-2-101 (M12)  Installation   Cable  Wire arrangement Dlack 4, black 3, black 2, black 1, green-yellow  Cable identification 437  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Stranding factor max. 75 mm  Stranding factor max. 75 mm  Black 4, black 3, black 2, black 1, green-yellow  Cable weight 57.2 p/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5.2 mm  Joured diameter (sbeath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation white (isolation black)  Attention black (wire) 28  Diameter of silicaners or insulation white (isolation black)  Attention black (wire) 28  Diameter of silicaners or insulation white (isolation black)  Attention carbon black)  Attention: One of the carbon black of the carbon black)  Annount wires 0,15 mm  Conductor crosssection (wire) 0,15 mm  Conductor crosssection (wire) 0,15 mm	·		
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 black 4, black 3, black 2, black 1, green-yellow  Cable identification white (isolation black)  Jackel Color gray  Amount stranding 1  Stranding 15  Stranding factor min. 75 mm  Stranding Fleece  Filler yes  Wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weight 57,2 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket (sheath) 1.5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) 2.5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) 1.7 mm  Outer diameter (sheath) 1.7 mm  Outer diameter (sheath) 1.7 mm  Outer diameter insulation white (solation black)  Amount wires 5  Outer diameter insulation white (solation black)  Amount wires wire insulation white (solation black)  Amount wires wire insulation white (solation black)  Amount strands (wire) 28  Diameter of signess wire insulation white (solation black)  Amount strands (wire) 28  Diameter of signess wire insulation white (solation black)  Amount strands (wire) 0.15 mm  Conductor crosssection (wire) 0.5 mm²	<u> </u>		
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 61076-2-101 (M12)  Installation   Cable  Write arrangement Black 4, black 3, black 2, black 1, green-yellow  Cable identification 437  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding storn min. 75 mm  Stranding factor min. 75 mm  Stranding factor min. 75 mm  Banding Fleece  Filler yes  Wrie arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weight 57.2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires or silication principle insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Material wire insulation yellow insulation white (isolation black)  Amount wires 5  Outer diameter oberance core insulation ± 5 %  Duter diameter (sheath) ± 5 %  Material wire insulation yellow insulation yellow insulation white (isolation black)  Amount wires 6  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²			
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 61076-2-101 (M12)  Installation   Cable    Write arrangement black 4, black 3, black 2, black 1, green-yellow  Cable identification 437  Printing color of wire insulation white (solation black)  Jacket Color gray  Amount stranding 1  Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  Write arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57.2 g/m  Material jacket PUR  S5 5 Shore A  Freedom from ingredients (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,7 mm  Duter diameter (sheath) ± 5 %  Shore hardness wire insulation 1,7 mm  Duter diameter risuslation 90 ± 5 Shore A  Ingredient freeness wire insulation white (solation black)  Manunt strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	· · ·	opportunity on capie quality	
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 black 4, black 3, black 2, black 1, green-yellow Cable identification 437  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 185 ± 5 Shore A  Freedom from ingredients (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Amount strie insulation PP  Amount wires 5  Outer diameter (sheath) 1,7 mm  Outer diameter (releance core insulation 1,7 mm  Outer diameter loarcace core insulation 1,7 mm  Outer diameter since insulation 1,7 mm  Outer diameter since insulation 1,7 mm  Outer diameter since insulation 1,7 mm  Outer diameter of since insulati	important installation notes		
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wive arrangement black 4, black 3, black 2, black 1, green-yellow  Cable identification 437  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fiece Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weight 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation   1,7 mm  Outer diameter insulation   25 %  Shore hardness wire insulation   1,7 mm  Ducter diameter insulation   25 %  Shore hardness wire insulation   1,7 mm  Outer diameter insulation   1,7 mm  Outer diameter resulation   1,7 mm  Outer diameter insulation   1,7 mm  Diameter of wire insulation   1,7 mm  Diameter of single wire   0,15 mm²  Diameter of single wires   0,15 mm²  Diameter of single wires   0,15 mm²	Note on strain relief		
Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weight         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (sleath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core insulation         9 ± 5 Shore A           Ingredient freeness wire insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         90 ± 5 Shore A	Note on bending radius		
installation   Cable  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable identification 437  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Duter-diameter (isheath) ± 5 %  Material wire insulation PP  Amount wires 5  Chouter diameter tolerance core insulation 90 ± 5 Shore A  Ingredient freeness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm²  Conductor crosssection (wire) 0,5 mm²  Conductor crosssection (wire) 0,5 mm²	Conformity		
wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         PS ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         ye ± 5 Shore A           Ingredient freeness wire insulation         white	Product standard	DIN EN 61076-2-101 (M12)	
Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Duter diameter insulation         1,7 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ye 5 Shore A           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         28	Installation   Cable		
Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,7 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         9 ± 5 Shore A           Ingredient freeness wire insulation         white (isolation black)           Amount strands (wire)         28	wire arrangement	black 4, black 3, black 2, black 1, green-yellow	
Dacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,7 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         white (isolation black)           Armount strands (wire)         28           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,5 mm²	<u> </u>		
Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,7 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         white (isolation black)           Armount strands (wire)         28           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,5 mm²	Printing color of wire insulation	white (isolation black)	
Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57.2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,7 mm           Outer diameter insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         90 ± 5 Shore A           Ingredient freeness wire insulation         white (isolation black)           Amount strands (wire)         28           Diameter of single wires         0,15 mm²           Conductor crosssection (wire)         0,5 mm²		gray	
Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation 90 ± 5 Shore A  Ingredient freeness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm²	Amount stranding		
Stranding factor max. 75 mm  Banding Fleece  Filler yes wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Stranding	5 wires around Core filler twisted	
Stranding factor max. 75 mm  Banding Fleece  Filler yes wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter insulation 90 ± 5 Shore A  Ingredient freeness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Stranding factor min.	75 mm	
Filler yes wire arrangement black 4, black 3, black 2, black 1, green-yellow Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 90 ± 5 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,5 mm²	Stranding factor max.	75 mm	
black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 2, black 1, green-yellow  To black 4, black 3, black 1, green-yellow  To black 4, black 3, black 1, green-yellow  To black 4, black 3, black 1, green-yellow  To black 4, black 1, green-yellow  To black 1, green-yellow  To black 4, black 1, green-yellow  To black 1, green-yellow  To black 4, black 1, green-yellow  To black 1	Banding	Fleece	
Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm²  Conductor crosssection (wire) 0,5 mm²	Filler	yes	
Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free silicone-free Outer-diameter (jacket) 6,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 90 ± 5 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,5 mm²	wire arrangement	black 4, black 3, black 2, black 1, green-yellow	
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Cable weigth	57,2 g/m	
Freedom from ingredients (jacket)  Duter-diameter (jacket)  6,2 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Duter diameter insulation  1,7 mm  Duter diameter tolerance core insulation  \$\frac{\pmathbb{\text{4}}}{5}\text{ 5}\text{ 5}\text{ 5}\text{ 6}\text{ 7}\text{ 6}\text{ 7}\text{ 7}\text{ 7}\text{ 7}\text{ 6}\text{ 7}\text{ 6}\text{ 7}\text{ 7}\text{ 7}\text{ 7}\text{ 6}\text{ 8}\text{ 10}\text{ 10}\t	Material jacket	PUR	
Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Shore hardness jacket	85 ± 5 Shore A	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,7 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Outer-diameter (jacket)	6,2 mm	
Amount wires  5  Outer diameter insulation  1,7 mm  Outer diameter tolerance core insulation  \$\frac{\pmathcal{2}}{\pmathcal{5}} \text{ M}\$  Shore hardness wire insulation  90 \(\pmathcal{2}\) 5 Shore A  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation  white (isolation black)  Amount strands (wire)  28  Diameter of single wires  0,15 mm  Conductor crosssection (wire)  0,5 mm²	Tolerance outer diameter (sheath)	± 5 %	
Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 90 ± 5 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,5 mm²	Material wire insulation	PP	
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 90 ± 5 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Amount wires	5	
Shore hardness wire insulation 90 ± 5 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Outer diameter insulation	1,7 mm	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Outer diameter tolerance core insulation	±5%	
Printing color of wire insulation white (isolation black)  Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Shore hardness wire insulation	90 ± 5 Shore A	
Amount strands (wire) 28  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,5 mm²	Printing color of wire insulation	white (isolation black)	
Conductor crosssection (wire) 0,5 mm <sup>2</sup>	Amount strands (wire)	28	
	Diameter of single wires	0,15 mm	
Material conductor wire Stranded conner wire here	Conductor crosssection (wire)	0,5 mm <sup>2</sup>	
Material Conductor wire Stranded Copper wire, Dare	Material conductor wire	Stranded copper wire, bare	
Conductor type (wire) strand class 6	Conductor type (wire)	strand class 6	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6,8 A
Electrical resistance line constant wire	39 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)	90 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	2 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C