

M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded bk UL/CSA+drag ch. 0.3m

Ethernet CAT5 Male straight M12, 8-pole Y-coded shielded

Further cable lengths on request.

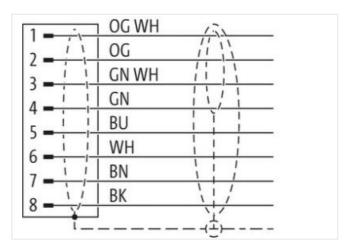
Plastic housings with good resistance against chemicals and oils.

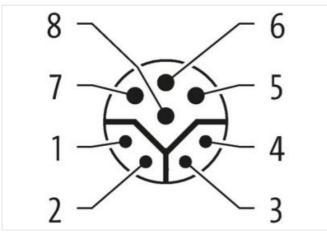
The resistance to aggressive media should be individually tested for your application. Further details on request.

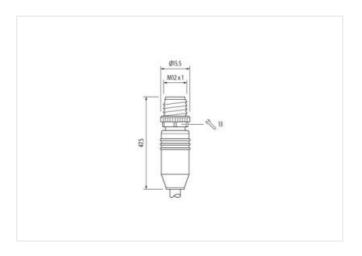
Link to Product

Illustration









Product may differ from Image



Cable length

0,3 m

Side 1



stay connected

Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding Y Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Family construction form M12 Thread M12 x 1 Coding Y Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC01855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Thread M12 x 1 Coding Y Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Degree of protection (EN IEC 60529) IP67
Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 127060307 ECLASS-10.1 127
ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
customs tariff number 85444290 GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
GTIN 4048879852937 Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Packaging unit 1 Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Operating voltage AC max. 50 V Operating voltage DC max. 50 V
Operating voltage DC max. 50 V
Operating voltage AC (UL-listed) 30 V
Operating voltage DC (UL-listed) 30 V
Current operating per contact (UL) 3,3 A
Operating current per data contact max. 0,5 A
Operating current per power contact max. 6 A
Industrial communication
Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max. 100 MBit/s
Industrial communication Ethernet functionality
duplex Full duplex
Installation Connection
Mounting set M12 x 1
Device protection Electrical
Additional condition protection degree inserted, screwed
Pollution Degree 3
Rated surge voltage 0,8 kV
Material group (IEC 60664-1)
Mechanical data Material data
Coating locking Nickeled
Coating of fitting nickel plated
Locking material Zinc die-casting
Material screw connection Zinc die-casting
Mechanical data Mounting data
Mounting method inserted, screwed, Shaking protection
mounting motion
Environmental characteristics Climatic Operating temperature min25 °C

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: 2024-05-19



stay connected

Important installation notes	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contential Product standard DIN En 61076-2-101 (M12) Installation Cable Cable identification 805 Jackat Clobr Back Type of Certificate Culfus Amount stranding 1 Stranding 4 wrices around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wrices around 1 Filler twisted Amount stranding (type 2) 4 wrices around 1 Filler twisted Cable shelding (coverage) 85 % Pair shelding (type) copper braid, timed Cable shelding (coverage) 85 % Pair shelding (type) copper braid, timed Cable weigh 107.8 jm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Cable weigh 107.8 jm Material jacket PUR Character color diameter (jacket) 8.1 mm Tolerance outer diameter (jacket) 8.5 mm Colored diameter (jacket) 8.5 mm Colored diameter (jacket) 1.5	Additional condition temperature range	depending on cable quality
Attention: Observe the permissable banding radii when laying cables, as the IP protection class can be ordangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (Mt2) Installation Cable Cable identification 805 Jacket Cotor black Type of Certificate cUPus Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around 1 Filler twisted Amount stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shelding (type) copper braid, finned Cable shelding (type) copper braid, finned Cable shelding (type) copper braid, finned Banding Fisece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shoro hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 15 mm Quer diameter risulation 1.5 mm Qu	Important installation notes	
Note on bending radius Attention: Cbserve 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 Cable identification BOS Jacket Color Data Confideate CURUs Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 4 wires around 1 Filler twisted Amount stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) Sarading Filler yes Wire arrangement Cable weight 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) Amount strands (wire) 19 Dameter of single wires Stranded copper wire, barre Material wire insulation 1,5 mm Outer diameter rolerance core insulation Stranded copper wire, barre Material wire insulation Stranded copper wire, barre Material wire insulation (Data) Jimm Tolerance outer drameter wire insulation (Data) Jimm Tolerance outer dram	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard	Conformity	
Installation Cable Cable identification 805 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, finned Cable shielding (type) copper braid, finned Banding Fleece, Foil Filler yes Wear arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8.1 mm Tolerance outer diameter (sheath) 2 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter insulation lead-free, cadmium-free, CFC-free, halogen-f		DIN FN 61076-2-101 (M12)
Cable identification 805 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes yes yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8.1 mm Tolerance outer diameter (sheath) 2.5 % Amount wires 4 Outer diameter insulation 1.5 mm Outer diameter insulation 19 <t< td=""><td></td><td>DIV EN 01070-2-101 (M12)</td></t<>		DIV EN 01070-2-101 (M12)
Jacket Color	·	
Type of Certificate		
Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Pair shielding (coverage) 85 % Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weight 107.8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness ideket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Cuter-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Cuter diameter insulation PP Amount sires wire insulation 1,5 mm Cuter diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material wire insulation (Data) PP Cuter diameter vire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount strands wire (Data) 4 Amount strands wire (Data) 4		
Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Amount wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter (berance core insulation ± 5 % Shore hardness wire insulation 1,5 mm Outer diameter (wire) ± 5 % Conductor crossesseries insulation ± 5 % Freedom from ingredients (wire) 20 AWG Conductor crossessetion (wire) 20 AWG		
Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter lolerance core insulation 1,5 mm Outer diameter lolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material onductor wire Stranded copper wire, bare Material wire insulation (Data) <		•
Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weight 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires Conductor crosssection (wire) 20 AWG Material wire insulation (Data) PP Material wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Material conductor wire Stranded copper wire, bare Material wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 19		
Cable shielding (type) Cable shielding (coverage) 85 % Pair shielding (type) Copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (sheath) 5 % Material wire insulation PP Amount wires 4 Couter diameter tolerance core insulation User diameter tolerance core insulation 1,5 mm Outer diameter tolerance core insulation 1,5 mm Outer diameter insulation PP Diameter of single wires 20 AWG Material conductor wire Stranded copper wire, bare Material conductor wire Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 % Shore hardness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 % Shore hardness wire insulation (Data) 1,2 % Shore hardness wire insulation (Data) 1,2 % Shore hardness wire insulation (Data) 1,3 % Shore hardness wire insulation (Data) 1,4 % Amount strands (wire (Data) 1,9 % Amount strands wire (Data) 1,0 % Amount strands wire (Data) 1,0 % Amount strands wire (Data) 1,0 % Amount strands wire (Data) 1,		· · · · · · · · · · · · · · · · · · ·
Cable shielding (coverage) 85 % Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material oxeductor wire Stranded copper wire, bare Material oxerial wire insulation (Data)<		
Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material onductor wire Stranded copper wire, bare Material onductor wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Tolerance outer diameter wire insulation (Data) 1,3 mm Tolerance outer diameter wire insulation (Data) 1,4 mm	0 ()1 /	
Banding Fleece, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weight 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 19 Diameter of single wires (Data) 19		
Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107.8 g/m Material jacket PUR Shore hardness jacket 90±5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ±5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,5 mm Outer diameter tolerance core insulation 55±5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55±5 Shore D Ingredient freeness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55±5 Shore D Ingredient freeness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 4 Amount strands wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 4 Amount wires (Data) 19 Diameter of single wires (Data) 19 Diameter of single wires (Data) 19		
wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires Outer diameter insulation Data) PP Material wire insulation (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 19 Diameter of single wires (Data) 26 AWG		· · · · · · · · · · · · · · · · · · ·
Cable weight 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material wire insulation (bata) PP Outer diameter wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Bingredient freeness wire insulation (Data) 15 ± 5 Shore D Ingredient freeness wire insulation (Data) 19		
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) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) PP Outer diameter wire insulation (Data) P Outer diameter wire insulation (Data) P Outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Material wire insulation (Data) PP Outer diameter wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulat		-
Freedom from ingredients (jacket) Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) \$\frac{\frac{5}}{5}\% Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation \$\frac{5}{5}\% Shore hardness wire insulation \$\frac{5}{5}\\$5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires Outer diameter wire insulation 20 AWG Conductor crosssection (wire) 20 AWG Material wire insulation (Data) PP Outer diameter wire insulation 5\frac{5}{5}\\$5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire 30 AWG 4 4 5 Shore hardness wire insulation (Data) 5 Signer bardness wire insulation (Data) 5 Signer bardness wire insulation (Data) 5 Signer bardness wire insulation (Data) 1,1 mm 5 Signer bardness wire insulation (Data) 1,1 mm 5 Signer bardness wire insulation (Data) 1,2 mm 5 Signer bardness wire insulation (Data) 1,2 mm 1,3 mm 1,4 mm 1,4 mm 1,4 mm 1,5 mm 1,5 mm 1,4 mm 1,5 mm 1,4 mm 1,5 mm 1,6 mm 1		
Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ±5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ±5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount strands wire (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	•	
Tolerance outer diameter (sheath) ±5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ±5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	- ,	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount strands wire (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Outer-diameter (jacket)	· · · · · · · · · · · · · · · · · · ·
Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Amount wires	4
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Outer diameter insulation	1,5 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 4 Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) Tolerance outer diameter wire insulation (data) \$\frac{\pmathbb{5}}{5} \times \text{Shore D}\$ Shore hardness wire insulation (Data) Ingredient freeness wire insulation (Data) Amount wires (Data) Amount strands wire (Data) Diameter of single wires (Data) 20 AWG AWG AWG	Amount strands (wire)	19
Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ±5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Diameter of single wires	20 AWG
Material wire insulation (Data) Outer diameter wire insulation (Data) Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) Ingredient freeness wire insulat	Conductor crosssection (wire)	20 AWG
Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Material wire insulation (Data)	PP
Shore hardness wire insulation (Data) Ingredient freeness wire insulation (Data) Ingredient freeness wire insulation (Data) Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) Amount strands wire (Data) Diameter of single wires (Data) 26 AWG	Outer diameter wire insulation (Data)	1,1 mm
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 4 Amount strands wire (Data) Diameter of single wires (Data) 26 AWG	Tolerance outer diameter wire insulation (data)	± 5 %
Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data) 26 AWG	Amount wires (Data)	4
	Amount strands wire (Data)	19
Conductor crosssection wire (Data) 26 AWG	Diameter of single wires (Data)	26 AWG
	Conductor crosssection wire (Data)	26 AWG
Material conductor wire (Data) Stranded copper wire, bare	Material conductor wire (Data)	Stranded copper wire, bare
Traversing distance (C-track) 5 m	Traversing distance (C-track)	5 m
Nominal voltage AC max. 60 V	Nominal voltage AC max.	60 V
Current load capacity (standard) to DIN VDE 0298-4	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire 5,9 A	Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data) 2 A	Current load capacity min. Wire (Data)	2 A

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: 2024-05-19



Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °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 (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min