

M12 female recept. A-cod. shielded rear

PUR 5x0.34 shielded bk UL/CSA+drag ch. 2m

Art.No.: 7000-13621-6420200

Weight: 0.128 Country of origin: DE

Model designation: MSBFH-U642 2.0-ZS

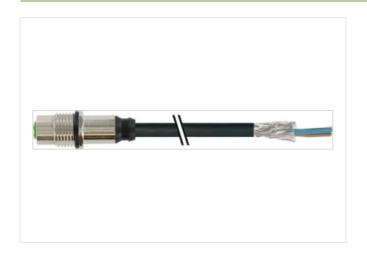
Flange female M12, 5-pole shielded Rear mounting

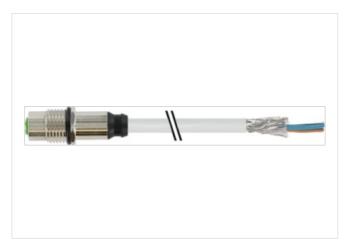
Further cable lengths on request.

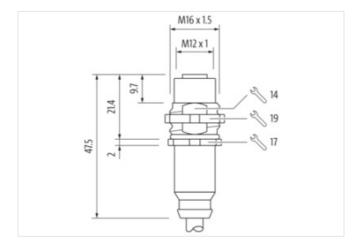
The resistance to aggressive media should be individually tested for your application. Further details on request.

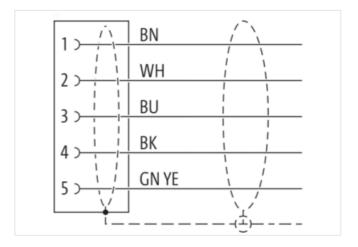
Link to Product

Illustration



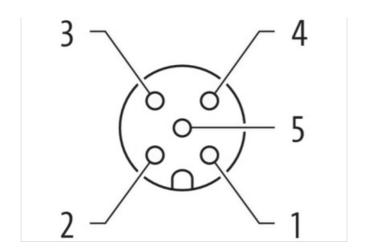


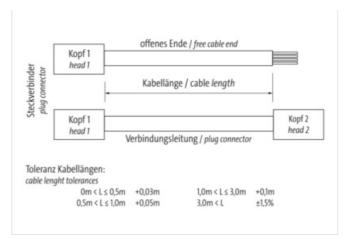




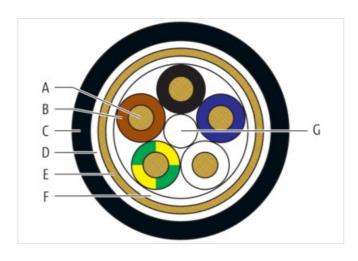


stay connected









Product may differ from Image













Header	
Cable length	2,00 m
Side 1	
Family construction form	M12
No. of poles	5
Coding	A
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Material	Brass
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-13621-6420200



stay connected

EAN 4048879629457 Packaging unit 1 Electrical data Suppty Ceperating voltage AC max. 60 V Operating voltage DC max. 60 V Courrent operating per context max. 4 A Diagnostics Status indication LED no Installation Connection Mile x 1.5 Mounting set M16 x 1.5 With across fists SV19 Protection NEMA 6P, 4, 3 Additional condition protection degree insertion, surveyed Pollution Degree 3 Radial surge voltage 1,5 kV Malerial group (IEC 60094.1) 1 Mechanical data Material data Makerial group (IEC 60094.1) Mechanical data Material data	customs tariff number	85444290
Packaging unit I Electrical data Supply 60 V Operating voltage PC max. 60 V Operating voltage PC max. 4 A Operating voltage PC max. 4 A Current operating per contact max. 4 A Disposation Status indication LED no Installation Connection Width and Post of Monthle Status (Provider) Protection Electrical Protection Electrical Protection protection (Electrical) Protection (Electrical) <th></th> <th></th>		
Electrical data Supply 60 V Operating voltage AC max. 60 V Correct operating per contact max. 4 A Diagnostics Status indicators. Status indicator LED no Installation Connection Winding set Mounting set M16 x 1.5 With across fals 8979 Powice protection Electrical Protection NEMA Additional condition protection of eigene inserting screwd Pollution Degree 3 Related surge voltage 1.5 kW Milerial group (IEC 606641) 1 Michael and Malerial and Malerial data Brass Coating of filing nickel plated Coating of filing in the plate of the connectors of the connector		
Operating voltage AC max. 80 V Operating voltage DC max. 60 V Cornet opporting promised max. 4 A Status indication LED no Installation [Connection months of the state of		
Operating voltage DC max. 60 V Current operating per contact max. 4 A Displagnostics Status indication LED Installation Connection mo Mounting set M15 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA Additional condition protection degree inserted, screwed Pollution Dugree 3 Raided surge voltage 1.5 kV Mallerial sorree womedoin Brass Coating of fitting nickel plated Locking material Brass Coating of fitting nickel plated Locking material Brass Coating dotting nickel plated Material sorree womedoin Brass Coating folding nickel plated Material sorree womedoin Brass Coating folding nickel plated Material sorree womedoin Brass Coating folding nickel plated Material sorree womedoin Brass Coating of fitting cooking technology	,	
Current operating per contact max. 4 A Diagnostics No Status indication LED no Mounting set Mt6 x 1.5 Width across fiets SW19 Device protection [Electrical French Control of SW14 Protection NEMA 6P. 4.3 Additional condition protection degree inserted, screwed Pollution Degree 3 Railed surge voltage 1,5 kV Mechanical group (IEC 6064-1) I Mechanical state [Metrical data Malerial group (IEC 6064-1) Metrical screw connection Brass Coating of fitting nickel plated Locking material Brass Coating of fitting nickel plated Malerial gasket FKM Mechanical data [Mounting data Schraubgewinde Mounting method Schraubgewinde Locking exchanges Schraubgewinde Environmental characteristics Climatic Operating Importature max. Operating Importature max. 85 °C Additional condition temperature range depending on cable quality	1 0 0	
Diagnostics Situs in Indication LED modification (Connection Installation Connection Width across falls SM19 Device protection Electrical Protection NEMA 6P, 4, 3 Additional condition protection degree inserted, servewed Pollution Degree 3 Read surpe voitage 1.5 kV Material group (IEC 606841) 1 Protection NEMA Brass Coating of Iffiling nickel plated Protection Nemarical Protection Nemarical Protection Nemarical Coating of Iffiling nickel plated Protection Nemarical Protection Nemarical <t< td=""><td></td><td></td></t<>		
Status indication LED no Instaliation Connection Mounting set M16 x 1.5 Width across fatas SW19 Protection NEMA 6P, 4.3 Additional condition protection degree instance, served Pollution Degree 3 Rated surge voltage 1.5 kV Material group (FEC 60664-1) 1 Mechanical data Material data Material group (FEC 60664-1) Material group (FEC 60664-1) 1 Mechanical data Material data Material group (FEC 60664-1) Material group (FEC 60664-1) 1 Mechanical data Material data Brass Coading folding nickel plated Locking material Brass Coading folding Schraubgewinde Mounting melhod Schraubgewinde Locking techniques Schraubgewinde Environmental characteristies (Climatic Operating temperature max. 85 °C Operating temperature min. 90 °C Operating temperature max. 85 °C Additional condition temperature may. 85 °C Contracted temperature max.		4 A
Installation Connection Mounting set M16 x 1.5 With across fists SW19 Protection Electrical Protection NEMA 6P, 4, 3 Additional condition protection degree inserted, screwed Proflution Degree 3 Rated surge voltage 1.5 kV Material group (FCC 60664-1) Material sorew connection Brass Coating of litting nickel plated Coating locking martinal Brass Coating locking nickel plated Coating locking	Diagnostics	
Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 6P, 4, 3 Additional condition protection degree inserted, screwed Pollution Degree 1,5 k/V Raded surge voitage 1,5 k/V Material group (IEC 60064-1) 1 Mechanical data Material data Frass Coating of fitting nickel plated Locking material Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Material gasket FKM Mechanical data Mounting data KM Mechanical data Mounting data Schraubgewinde Environmental characteristics Climate Coperating temperature min. 30 °C Operating temperature min. 30 °C Coperating temperature min. 40 °C Operating temperature min. 40 °C 40 °C 40 °C 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.	Status indication LED	no
With across filats SW19 Periodicion NEMA 6P, 4, 3 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1, 5 kV Material group (IEC 60664-1) 1 Mechanical data Material data Material group (IEC 60664-1) 1 Mechanical data Material data Material group (IEC 60664-1) 8 Material group (IEC 60664-1) 8 Material group (IEC 60664-1) 9 Material group (IEC 60664-1) 10 Mechanical data Material data Material group (IEC 60664-1) 8 Material group (IEC 60664-1) 9 Material group (IEC 60664-1) 10 Mechanical data Material data Material group (IEC 60664-1) 9 Material group (IEC 60664-1) 9 Material group (IEC 60664-1) 10 Material group (IEC	Installation Connection	
Protection Electrical Protec	Mounting set	M16 x 1.5
Protection NEMA 6P, 4, 3 Additional condition protection degree inserted, screwed Pollution Depree 3 Rated surge voltage 1,5 kV Material group (IEC 60864-1) I Mechanical data Material data Mechanical data Material data Mechanical data Material data Brass Coating of fitting nickel plated Locking material Brass Coating obering nickel plated Meterial gasket FKM Mechanical data Mounting data FKM Mechanical data Mounting data Schraubgewinde Locking tenhiques 45 °C Additional condition temperature	Width across flats	SW19
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1.5 kV Material group (IEC 60064-1) I Mechanical data Material data Material screw connection Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Locking material Brass Coating locking nickel plated Material gasket FKM Mechanical data Mounting data Multirial gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Locking method Schraubgewinde Locking techniques Schraubgewinde Mounting method Schraubgewinde Locking techniques Schraubgewinde Mounting method Schraubgewinde Locking techniques Schraubgewinde Mounting method	Device protection Electrical	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1.5 kV Material group (IEC 60064-1) I Mechanical data Material data Material screw connection Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Locking material Brass Coating locking nickel plated Material gasket FKM Mechanical data Mounting data Multirial gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Locking method Schraubgewinde Locking techniques Schraubgewinde Mounting method Schraubgewinde Locking techniques Schraubgewinde Mounting method Schraubgewinde Locking techniques Schraubgewinde Mounting method	Protection NEMA	6P. 4. 3
Pollution Degree 3 Rated surge voitage 1.5 kV Material group (IEC 60664+1) 1 Mechanical data Material data Image: Material screw connection Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Material gaseket FKM Mechanical data Mounting data FKM Mechanical data Mounting data Schraubgewinde Locking techniques Schraubgewinde Environmental characteristics Climatic Coperating temperature min. -30 °C Operating temperature max. 85 °C Additional condition 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 endangered by excessive bending forces. 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. Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals U. 50E yes Losted entification Cable Scr		
Rated surge voltage 1.5 kV Material group (IEC 50664-1) I Mechanical data Material data Mechanical data Material data Material surve vonnection Brass Coating of fitting nickel plated Locking material Brass Coating of fitting nickel plated Material gasket FKIM Mechanical data Mounting data Mounting method Schraubgewinde Locking techniques Schraubgewinde Locking		· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1) Mechanical data Material data Material sorew connection Brass Coating of fitting Incikel plated Locking material Brass Coating of litting Incikel plated Material gasket RKM Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mounting method Locking techniques Schraubgewinde Locking techniques Schraubgewinde Locking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min30 °C Operating temperature min30 °C Operating temperature many 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification Selection Selec	Rated surge voltage	
Mechanical data Material data Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Material sasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Locking techniques Schraubgewinde Locking techniques Schraubgewinde Poperating temperature min. 30°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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals LoSe Ut. 50E yes Scable (Intellication 642 Cable (Intellication) 642 Cable (Intellication) 642 Cable shielding (type) copper braid, tinned Cable shielding (type)	Material group (IEC 60664-1)	
Material screw connection Brass Coating of fitting nickel plated Locking material Brass Coating locking nickel plated Material gaske FKM Mechanical data Mounting data Mounting method Schraubgewinde Locking techniques Schraubgewinde Locking techniques Schraubgewinde Locking techniques Schraubgewinde Looking te		
Cacing of fitting nickel plated Locking material Brass Coating locking nickel plated Material gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Looking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min30 °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. Approvals UL 50E yes Installation Cable Cable Injue Cable Injue Cable identification 642 Cable Type 3 Amount strading 1 Stranding 5 wires around core filler twisted Cable ishielding (type) copper braid, tinned Cable shielding (type) copper traid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable wight insulation in sulation in part in sul	Material screw connection	Brass
Locking material Brass Coating locking nickel plated Material gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Looking techniques Schraubgewinde Looking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min. 30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable identification 5 wires around core filler twisted Cable ishielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fill, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weight 52 g/m Material wire insulation PP Amount wires 5		
Coating locking nickel plated Material gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Locking techniques Schraubgewinde Environmental characteristics Climatic Fill Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition 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 endangered by excessive bending forces. 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals U. 50E yes Installation Cable Cable identification 642 Cable identification 642 Cable identification 642 Cable identification 9 wire around core filler twisted Cable shielding (type) Copper braid, tinned Cables shielding (type) Copper braid, tinned Cables sh		· · · · · · · · · · · · · · · · · · ·
Meterial gasket FKM Mechanical data Mounting data Mounting method Schraubgewinde Looking techniques Schraubgewinde Environmental characteristics Climatics Operating temperature min30 °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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable offication 642 Cable offication 5 viere around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foli, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weight 52 g/m Amount wires 5 5 g/m Amount wires 5		
Mechanical data Mounting method Schraubgewinde Looking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min.		
Mounting method Schraubgewinde Looking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min30 °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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Amount wires 5		
Looking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E UL 50E yes Installation Cable Cable identification 642 Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement Cable weight 52 g/m Amount wires 5 <td>, , , , ,</td> <td>Schrauhgewinde</td>	, , , , ,	Schrauhgewinde
Provious entail characteristics Climatic Operating temperature min. Operating temperature max. As °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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E sys Installation Cable Cable institution Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth S2 g/m Material wire insulation PP Amount wires 5		-
Operating temperature min. Operating temperature max. As °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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable institution 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) Banding Foil, Fleece Filler Wire arrangement brown, black, blue, white, green-yellow Cable weigth S2 g/m Material wire insulation PP Amount wires 5		
Operating temperature max. 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5		
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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5		
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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable identification 1 Cable identification 1 Stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5		depending on cable quality
endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Important installation notes	
Approvals UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	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.
UL 50E yes Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation Cable Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Approvals	
Cable identification 642 Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	UL 50E	yes
Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Installation Cable	
Cable Type 3 Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Cable identification	642
Amount stranding 1 Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Cable Type	
Stranding 5 wires around core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Amount stranding	1
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Stranding	5 wires around core filler twisted
Cable shielding (coverage) 80 % Banding Foil, Fleece Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Cable shielding (type)	copper braid, tinned
Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Cable shielding (coverage)	80 %
Wire arrangement brown, black, blue, white, green-yellow Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Banding	Foil, Fleece
Cable weigth 52 g/m Material wire insulation PP Amount wires 5	Filler	yes
Material wire insulation PP Amount wires 5	Wire arrangement	brown, black, blue, white, green-yellow
Material wire insulation PP Amount wires 5	Cable weigth	52 g/m
	Material wire insulation	
Outer diameter insulation 1.25 mm	Amount wires	5
	Outer diameter insulation	1.25 mm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-10-19



Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0.34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	5.6 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
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	57 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.5 A
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
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min