

MSUD double valve A-18mm with cable

PVC 4x0.75 gy 5m

Art.No.: 7000-58001-2170500

Weight: 0.352 Country of origin: CZ

Model designation: MSKL3-216 110-KL3-217 5.0

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 110 mm Further cable lengths on request.

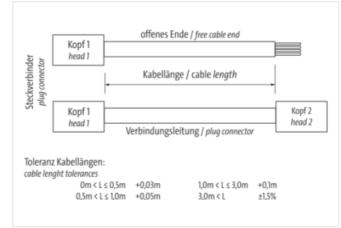
Plastic housings with good resistance against chemicals and oils.

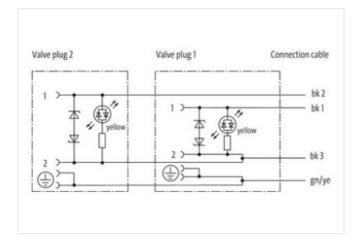
The resistance to aggressive media should be individually tested for your application. Further details on request.

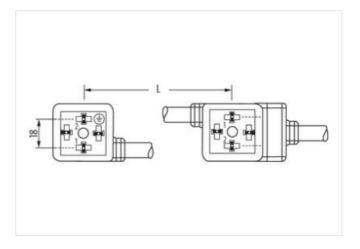
Link to Product

Illustration



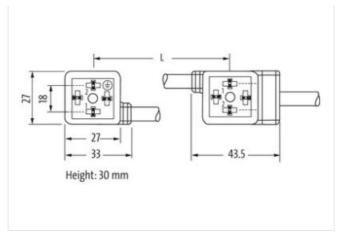








stay connected



Product may differ from Image



Thread M3 Material PBT Side 2 Commercial commercial proque 0.4 Nm Thread M3 Material PBT Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 EAN 4048879137928 Packaging unit 1 Packaging unit 2 2	Cable length	5 m	
Thread M3 Material PBT Side 2 Tightening torque 0,4 Nm Thread M3 Material PBT Commercial dat ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 1 27060312 ECLASS-1.0 1	Side 1		
Material PBT Side 2 Tightening torque 0,4 Nm Thread M3 Material PBT Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 ECMASS-12.0 ECMASS-12.0 ECMASS-12.0 27060312 ECLIMIS-5.0 ECO01855 Customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data Support and an analysis of the part	Tightening torque	0,4 Nm	
Side 2 Tightening torque 0,4 Nm Thread M3 Material PBT Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-1.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC01855 customs tariff number 85444290 customs tariff number 85444290 customs tariff number 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Petertical data Supply Operating voltage AC 24 V Operating voltage AC min. 19.2 V	Thread	M3	
Tightening torque 0.4 Nm Thread M3 Material PBT Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001885 customs tariff number 85444290 customs tariff number 85444290 customs tariff number 8444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 504 505 505 505 505 505 505 505 505 505	Material	PBT	
Thread	Side 2		
Material PBT Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data Vopp-out delay time max. Electrical data Supply Operating voltage AC min. 24 V Operating voltage AC min. 19,2 V	Tightening torque	0,4 Nm	
Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Electrical data 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Thread	M3	
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27060312 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 50488791 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Material	PBT	
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Packaging unit 1 Electrical data 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Commercial data		
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC01855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-6.0	27279218	
ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 1 1 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-6.1	27279218	
ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Peckaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-7.0	27279218	
ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 EAN 4048879137928 EAN 1 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-8.0	27279218	
ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 19,2 V	ECLASS-9.0	27060312	
ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Pop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-10.1	27060312	
ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Pop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-11.1	27060312	
customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-12.0	27060312	
customs tariff number 85444290 EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data 1 Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ETIM-5.0	EC001855	
EAN 4048879137928 EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data 20 ms Electrical data Supply 20 ms Operating voltage AC 24 V Operating voltage AC min. 19,2 V	customs tariff number	85444290	
EAN 4048879137928 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	customs tariff number	85444290	
Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC	EAN	4048879137928	
Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	EAN	4048879137928	
Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Packaging unit	1	
Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Packaging unit	1	
Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Electrical data		
Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Drop-out delay time max.	20 ms	
Operating voltage AC min. 19,2 V	Electrical data Supply		
	Operating voltage AC	24 V	
Operating voltage AC max. 28,8 V	Operating voltage AC min.	19,2 V	
	Operating voltage AC max.	28,8 V	



stay connected

Operating voltage DC min. 16 V Operating voltage DC min. 30 V Current operating press voltage max. 35 V Current operating max. 35 V Current operating max. 4 A Current operating max. 12 m/s V Current consumption max. 12 m/s V Current Current V Current	Operating voltage DC	24 V
Operating voltage BCC max. 55 V Current operating per contact max. 12 mA Current operating per contact max. 14 A Current operating per contact max. 12 mA Palagositics Status indication LED yellow Device protection Electrical Device protection Elec		
Courier operating per contact max. 4 A Current construmption max. 12 mA Diagnostics Status indication LED yellow Device protection [Electrical Status indication (EM IEC 00029)		
Current operating per contact max. 12 mA Diagnostics Status indication LED yellow Device protection (EN EC 6859) (PF7 Additional condition protection degree Pattern of the EC 6859) (PF7 Additional condition protection degree Pattern of the EC 6859) (PF7 Additional condition protection degree Pattern of the EC 6859) (PF7 Additional surper voitage 0,8 kV (PFC) Additional condition protection of the Protect for connectors by suitable measures from mechanical loads, e.g. by the usage of cabbe lies. Attention: Coserve the permissible bending radii when laying cabbles, as the IP protection class can be endangered by excessive bending radii when laying cabbles, as the IP protection class can be endangered by excessive bending radii when laying cabbles, as the IP protection class can be endangered by excessive bending forces. Installation (Cable weight PAS) grim Are arrangement black 1, black 2, black 3, green-yellow (Cable dreft installation and protection desired in protection class can be endangered by excessive bending forces. Installation (Cable weight PAS) grim Are arrangement black 1, black 2, black 3, green-yellow (Cable dreft installation and protection in ingredients ((selet)) lead-free, cadmium free, CFC-free, silicone-free (Outer-diameter (placky)) 6,5 mm Tolerance outer diameter chearth) 4,5 % Mandrail worker insulation PVC Outer-diameter insulation 1,8 mm Outer diameter insulation 2,5 force D Mackarial properties we insulation 2,5 force D Mackarial properties we insulation 2,5 force D		
Diagnostics Status Indication LED yellow Device protection (EN IEC 60529) IP67 Additional protection (EN IEC 60529) IP67 Additional protection protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diagnostic (EC 60684-1) IP67 Additional condition of Diagnostic (EC 60684-1) IP67 Additional condition of Diagnostic (EC 60684-1) IP67 Additional condition temperature max. B5 °C Additional condition temperature range depending on cable quality Important Institution (Each Color on bending radius Protection temperature range of protection temperature radius and advantagement Diagnostic (EC 60684-1) IP67 Additional Condition (EC 60684-1) IP67 Additional Conditional (EC 60684-1) IP67 Addit		
Situs in diciation LED yellow Povice protection Electrical Povice Po		
Status indication LED yellow Device protection Electrical Degree of protection Electrical Degree of protection (EN IEC 60859) IP67 Additional condition protection degree Inserted, screwed Pollution Degree 3 Rallad surge voluge 0,8 kV Malerial groups (IEC 60864-1) I Additional superposor Diode, Z Diode Muchanical data Material data Winding and superposor Diode, Z Diode Muchanical data Material data Winding and superposor Diode, Z Diode Muchanical data Munting data Munting data Muchanical data Munting data Munting data Muchanical data Munting data Munting data Munting method Inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature min. -25 °C Operating temperature max -25 °C Opera	·	
Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Sarlard surge voltage 0,0 kW Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional suppressor Diode, Z-Diode Markerial group (IEC 60684-1) I Additional condition (IEC 60684-1) I Additional conditional (IEC 60684-1) I Additional conditio		
Degras of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Machanical data Material data Color housing black Coding booking gashvarized Material graskut PUR Locking material Siscel Machanical data Material data Coding booking gashvarized Material graskut PUR Locking material Siscel Machanical data Munting data Material graskut PUR Locking material Siscel Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. 25 ° °C Operating temperature min. 30 ° °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable information 1 Stranding 4 wires twisted Stranding 4 wires twisted Stranding 5 ° 9 m Material gracket PVC Amount stranding 1 Stranding 5 ° 9 m Material gracket 80 ° 5 ° 5 here A Freedom from ingredients (jacket) 6.5 mm Tolerance outer diameter (shealth) 2.5 ° 4 Material wire insulation 1,0 mm Outer diameter risulation 1,0 mm Outer diameter insulation 2.5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 ° 5 °	Status indication LED	yellow
Additional condition protection degree inserted, screwed Pollution Degree 3 Rarder surge voltage 0,8 kV Material group (IEC 69664-1) I Additional suppressor Didge, 2-Didge Mechanical data Material data Color housing black Conting locking galvanized Mechanical data Multiplication of the state	Device protection Electrical	
Pollution Degree 3 Rated surge voltage 0,8 kV Medharial group (IEC 69694-1) 1 Additional suppressor Diode, Z Diode Mechanical data Material data Coating locking galvanized Material gasket PUR Cocking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Cimatic Operating temperature min. 25 °C Operating temperature min. 45 °C Operating temperature min. 41 °C Operating temperature min. 45 °C Operating temperature min. 41 °C Operating temperature min. 45 °C Oper	Degree of protection (EN IEC 60529)	IP67
Rated surge voltage	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) Additional suppressor Diode, 2-Diode Mochanical data Material data Coating locking galvanized Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature min. Operating temperature max. 85 °C Operating temperature max. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tises. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable wire arrangement Daka t, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jackel Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement Daka t, black 2, black 3, green-yellow Cable weigth 75.9 g/m Material jacket PVC Shore hardness glacket PVC Attention Tother (printing and the printing and the printing color of wire insulation PVC Attention Tother (printing and the printing and the printing color of wire insulation Attention Tother (printing and the printing color of wire insulation Attention Tother (printing and the printing color of wire insulation Attention Tother (printing and the printing color of wire insulation Attention Tother (printing and the printing color of wire insulation Attention Tother (printing and the printing color of wire insulation Attention Tother (printing and the printing and the printing color of the print	Pollution Degree	3
Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking galvanized Material gasket PUR Locking material Steel Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. A Hatention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Installation Cable Installation Cable View a arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted Wire arrangement black 1, black 2, black 3, green-yellow Cable weight 75.9 g/m Material jacket PVC Shore hardness jacket 80.5 Shore A Freedom from ingredients (jacket) 16.5 mm Tolerance outer diameter (spacket) 6.5 mm Tolerance outer diameter (spacket) 1.8 mm Outer diameter insulation 1.8 mm	Rated surge voltage	0,8 kV
Mechanical data Material data Material data Color housing Black Goaling locking galvanized Goaling locking galvanized PUR Goaling locking Steel Goaling locking Material Steel Goaling locking Material Steel Goaling locking material Steel Goaling locking method Inserted, screwed Goaling locking method Goaling locking method Goaling locking method Goaling locking	Material group (IEC 60664-1)	
Color housing black Coating locking galvanized Material gasket PUR Locking material Sizel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Vision 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. Installation Cable Viried arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable identification 217 Cable in Type 1 Printing color of wire insulation wite (solation black) Jackat Color gray gray Amount stranding 1 Transperent black 1, black 2, black 3, green-yellow Cable weighth 75.9 ym Material proteins (jacket) 6.5 mm </td <td>Additional suppressor</td> <td>Diode, Z-Diode</td>	Additional suppressor	Diode, Z-Diode
Coating locking galvanized purp galvanized purp galvanized gasket purp galvanized steel gasket purp galvanized steel gasket purp galvanized gasket purp galvanized gasket purp galvanized gasket gaske	Mechanical data Material data	
Material gasket PUR Locking material Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max85 °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. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable distribution 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter follorance core insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,3 5 Shore D Material properties wire insulation 9000 machinability	Color housing	black
Material gasket PUR Locking material Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max85 °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. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable distribution 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter follorance core insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,3 5 Shore D Material properties wire insulation 9000 machinability	Coating locking	galvanized
Mechanical data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min, -25 °C Operating temperature max. 85 °C Additional condition 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. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Infinition of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 9VC Freedom from ingredients (jacket) 6,5 mm Tolerance outer diameter (sheath) ±5 % Material wire insulation PVC Amount wires 4 Outer diameter (sheath) ±5 % Couter diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation 45 5 Shore D Material properties wire insulation 900d machinability	Material gasket	PUR
Mounting method inserted, screwed Fivironmental characteristics Climatic Operating temperature min.	Locking material	Steel
Mounting method inserted, screwed Fivironmental characteristics Climatic Operating temperature min.	Mechanical data Mounting data	
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending froces. Installation Cable Wrive arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted Wrive arrangement black 1, black 2, black 3, green-yellow Cable weight 75,9 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Mounting method	inserted, screwed
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. Installation Cable Wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing cotor of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted Wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 900d machinability	-	
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. Installation Cable Wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing cotor of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted Wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 900d machinability	Operating temperature min	-25 °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. Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability	<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. Installation Cable Wiver arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 90±5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ±5 % Material wire insulation PVC Amount wires 4 Outer diameter (sheath) ±5 % Material wire insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 900d machinability		
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. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted Wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 4 Outer diameter insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability	•	Potentille and the last the la
Installation Cable wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Amount wires 4 Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Note on strain relief	· · · · · · · · · · · · · · · · · · ·
wire arrangement black 1, black 2, black 3, green-yellow Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability		Attention: Observe the permissible bending radii when laving cables, as the IP projection class can be
Cable identification 217 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Note on bending radius	endangered by excessive bending forces.
Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Material properties wire insulation good machinability		endangered by excessive bending forces.
Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability		endangered by excessive bending forces.
Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow
Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217
Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1
wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black)
Cable weigth 75,9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray
Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1
Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted
Freedom from ingredients (jacket) Outer-diameter (jacket) Collegator outer diameter (sheath) Freedom from ingredients (jacket) 6,5 mm Collegator outer diameter (sheath) Freedom from ingredients (jacket) 6,5 mm Freedom from ingredients (jacket) 6,5 mm Freedom from ingredients (jacket) Freedom from ingredients (jacket) Freedom from ingredients (jacket) Ingredients (jacket) Freedom from ingredients (jacket) Ingredients (jacket) Freedom from ingredients	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow
Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A
Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 %
Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 % PVC
Material properties wire insulation good machinability	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 % PVC
	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 % PVC 4 1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 % PVC 4 1,8 mm ± 5 %
	Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	endangered by excessive bending forces. black 1, black 2, black 3, green-yellow 217 1 white (isolation black) gray 1 4 wires twisted black 1, black 2, black 3, green-yellow 75,9 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 6,5 mm ± 5 % PVC 4 1,8 mm ± 5 % 43 ± 5 Shore D



Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9,6 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter