

MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

3.0m PUR/PVC 16x0,34+3x0,75

Further cable lengths on request.

8-way, 5-pole

Plastic housings with good resistance against chemicals and oils.

PUR/PVC

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

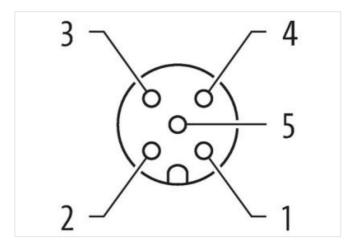
3.0 m

with LED for digital PNP-signals 24 V DC

Link to Product

Illustration





Product may differ from Image



Commercial data	
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85369010
GTIN	4048879064460
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A



stay connected

Number of signals per port 2 2 2 2 2 2 2 2 2	Total current max.	8 A
Installation Connection Tightening bacque 0.8 Nm Mausting set M12 x 1 Device protection (EN IEC 60569) IPSS, IPS7 Additional condition protection orgene inserted, screwed Device protection (Modia Flam re rollations Marcinal protection orgene Machinal data Material data Machinal data Material data Machinal data Material data Material protection of the Marcinal protection of th	Industrial communication	
Installation Connection Tightening bacque 0.8 Nm Mausting set M12 x 1 Device protection (EN IEC 60569) IPSS, IPS7 Additional condition protection orgene inserted, screwed Device protection (Modia Flam re rollations Marcinal protection orgene Machinal data Material data Machinal data Material data Machinal data Material data Material protection of the Marcinal protection of th	Number of signals per port	2
Tightening torque 0.6 Nm Mounting set M12 x 1 Deurice protection (Enterical Postice protection (Enterical Degree of protection (EN IEC 60529) IP65, IP67 Additional condition protection degree Inserted, screwed Device protection (Maila Fame resistance fame retardant Mochanical data (Material data) Machanical data (Material data) Michanical data (Material data) PBT Mechanical data (Material data) PBT Michanical data (Material data) 90 mm Poperating temperature min. 20 °C Operating temperature min. 30 °C Caldidinal data (Cable (Material data) 398 Cable identification 398 Cable identification 398 Cable identification 398 <th< td=""><td></td><td></td></th<>		
Degree of protection Electrical		·
Degree of protection (EN IEC 60529) IP65, IP67 Additional condition protection degree inserted, screwed Device protection [Modia Inserted screwed Fine resistance Alam retardant Mechanical data [Material data] PBT Mechanical data [Mounting data] PBT Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Common control properature may Operating temperature max 80 °C Additional condition temperature range depending on cable quality Installation Cable 2 Cable Type 2 Jacket Color gray Type of Certificate CURus STOOW style jacket Hybrid. Signal. Power Amount stranding 1 Stranding (type 2)	Mounting set	M12 x 1
Additional condition protection degree Inserted, screwed	Device protection Electrical	
Device protection Media Ifame retardant Mechanical data Material data Material housing PBT Mechanical data Mounting data PBT Mechanical data Mounting data 150 mm Width 550.2 mm Depth 17 mm Environmental characteristics Climatic Comparition temperature min. 20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Institution Cable Temperature range depending on cable quality Institution Cable Temperature range depending on cable quality Cable (Institution) Cable Temperature range depending on cable quality Institution Cable (Appear) 2 2 Jacket Color gray 398 Cable Type of Certificate Culfus Spount (Spound Spound Spound Spound Spound Spound Spound Spound Spound Spound S	Degree of protection (EN IEC 60529)	IP65, IP67
Rechancial data Mederial data PBT Mechanical data Mounting data PBT Mechanical data Mounting data PBT Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Commonity Environmental characteristics Climatic Coperating temperature min. -20 °C Operating temperature max. 80 °C Coperating temperature max. 80 °C Additional condition temperature range depending on cable quality instillation Cable 2 Cable identification 398 Second Copin (Copin (Additional condition protection degree	inserted, screwed
Mechanical data Material data PBT Mechanical data Mounting data PBT Height 150 mm Victor 50.2 mm Depth 17 mm Environmental characteristics Climate Coperating temperature min. 20 °C Operating temperature max. 90 °C Additional condition temperature max. 90 °C Additional Condition temperature max. 90 °C Cable identification 398 Cable Type 2 Cable Of Type 2 Cable Vigor 2 Type of Certificate CURsus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 1 Stranding (type 2) 12 wires around Stranding combination twisted Wire arrangement while, gray pink, prower, green, yellow, green, ved bus, (viole, brown-gray, black, gray-while, ord, brown-green, yellow, green, yell	Device protection Media	
Material housing PBT Rechanical data Mounting data Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climate Operating temperature min. -20 °C Operating temperature many depending on cable quality Installation Cable Cable identification Cable identification 388 Cable Type 2 Jacket Color gray Type of Certificate CURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 were around Stranding combination twisted Stranding (type 2) 12 were around Stranding combination twisted Wire arrangement brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red-brown-yellow, promine, yellow, promine, yel	Flame resistance	flame retardant
Mechanical data Mounting data 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic V Operating temperature min. -20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 388 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, jink, yellow-white, gray, blue, brown, green-yellow) Cable weight 155 gm Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Colier (inner jacket) pVC	Mechanical data Material data	
Mechanical data Mounting data	Material housing	PRT
Height 150 mm Width 50.2 mm Depth 17 mm Environmental characteristics Climatic Formatting temperature min. 20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable identification 398 Cable identification Cable identification 398 Cable I Type 2		
Width 50,2 mm Depth 17 mm Environmental characteristics Climatic Coperating temperature min. 20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable of Type 2 2 Jacket Color gray 7 Type of Certificate cURus CURUS STOOM style jacket Hybrid, Signal, Power Amount stranding 1 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green, yellow, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green, red-blue, (violet, brown-gray, black, gray-white, gray, blue, brown, green, yellow, green, red-blue, (violet, brown-gray, black, gray-white, gray, blue, brown, green, yellow, green		
Depth 17 mm Environmental characteristics Climatic Operating temperature min. -20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable identification 29 Jacket Color gray Type of Certificate CURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green-white, gray, blue, brown, green-yellow) Cable weight 165 g/m Material jacket PUR Snore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) g 7 m		
Privironmental characteristics Climatic Operating temperature min20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification		
Operating temperature min. -20 °C Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable	Depth	17 mm
Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation Cable Cable Identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigh 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material viner insulation PVC Amount swires 16 Outer diameter insulation 1,3 mm Outer diameter insulation 9 pvC Material wire insulation 43 ± 5 Shore D Material properties wire insulation 1 ead-free, cadmium-free, CFC-free, silicone-free Outer diameter insulation 9 good machinability Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation 9 good machinability Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation 9 good machinability Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Installation Cable Cable identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 vires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Treedom from ingredients (jacket) 10 mm Tolerance outer diameter (sleaket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Operating temperature min.	-20 °C
Installation Cable Cable identification 398 Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, grav-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-green, yellow, green-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter (sheath) ± 5 % Shore	Operating temperature max.	80 °C
Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW Style Jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 2 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weight 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation	Additional condition temperature range	depending on cable quality
Cable Type 2 Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation	Installation Cable	
Jacket Color gray Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Outer diameter tolerance core insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Cable identification	398
Type of Certificate cURus STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigh 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Cable Type	2
STOOW style jacket Hybrid, Signal, Power Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 %. Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 %. Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Jacket Color	gray
Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Type of Certificate	cURus
Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	STOOW style jacket	Hybrid, Signal, Power
Amount stranding (type 2) Stranding (type 2) 12 wires around Stranding combination twisted white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter tolerance core insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Amount stranding	1
Stranding (type 2) 12 wires around Stranding combination twisted wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Stranding	7 wires around Core filler twisted
wire arrangement white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Amount stranding (type 2)	1
brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow) Cable weigth 165 g/m Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Stranding (type 2)	12 wires around Stranding combination twisted
Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	wire arrangement	
Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Cable weigth	165 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Material jacket	PUR
Outer-diameter (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Shore hardness jacket	87 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Outer-diameter (jacket)	10 mm
Color (inner jacket) gray Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PVC Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Material inner jacket	PVC
Amount wires 16 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm	Material wire insulation	
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Amount strands (wire) 19 Diameter of single wires 0,15 mm		
Diameter of single wires 0,15 mm		
Conductor crosssection (wire) 0,34 mm ²		•
	Conductor crosssection (wire)	0,34 mm ²



stay connected

Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm ²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Travel speed (C-track)	3
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7,8 A
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Connection type 2	
Family construction form	free cable end
•	
Color contact carrier	gray
No. of poles	19
Family construction form Gender	M12
	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	<u>- </u>
PIN 4	NO S 1
PIN 5	PE