

CAP FOR D-BOX M12 4-WAY 5-POLE

No pot.-sep. 10m PUR/PVC, 8x0,34+3X0.75

Art.No.: 8000-84559-3631000

Weight: 1.256 Country of origin: CZ

Model designation: MVZ-HL 4xM12 363 10.0m

for 4-way distribution boxes, 5-pole Further cable lengths on request.

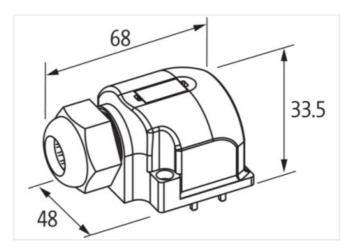
Plastic housings with good resistance against chemicals and oils.

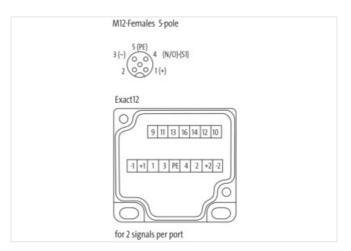
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration



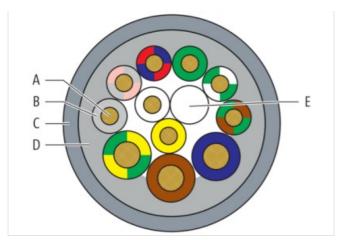


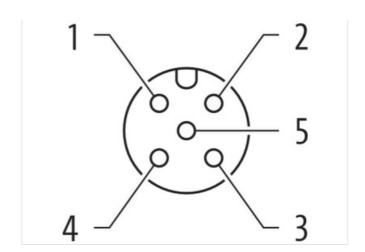






stay connected





Product may differ from Image



Header





Material short text	MVZ-HL 4xM12 363 10.0m
Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-84559-3631000
GTIN	4048879055581
ECLASS-6.0	27143423
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-7.1	27279219
ECLASS-8.0	27279219
ECLASS-8.1	27279219
ECLASS-9.0	27440108
ECLASS-9.1	27440108
ECLASS-10.0.1	27440108
ECLASS-10.1	27440108
ECLASS-11.0	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108
ECLASS-14.0	27440108
ETIM-5.0	EC002585
ETIM-6.0	EC002585
ETIM-7.0	EC002585
ETIM-8.0	EC002585
customs tariff number	85444290
EAN	4048879055581
Packaging unit	1
Electrical data Supply	
Total current max.	8 A
Device protection Media	
Flame resistance	flame retardant
Mechanical data Material data	



stay connected

Material housing	Plastic
------------------	---------

Installation Cabbe		
Operating temperature max. 80 °C Additional condition temperature range depending on cable quality Installation [Cable Cable Identification 363 Cable Type 2 Trunction cable Hybrid, Signal, Power Princision cable Hybrid, Signal, Power Hybrid, Signal, Hybrid,	Environmental characteristics Climatic	
Installation Cobbe Cabb	Operating temperature min.	-20 °C
Installation Cable Cable identification 363 Cable identification 363 Cable in Type 2 Function cable Hybrid. Signal, Power Hybrid. Signal,	Operating temperature max.	80 °C
Cable Intentification 363 Cable Type 2 Emicration cable Hybrid, Signal, Power Amount stranding 1 Stranding 2 wires stranded with filter Amount stranding (type 2) 1 Stranding (type 2) 9 wires stranded around stranding combination Filler Yes Cable weight 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter interace one insulation 1,3 mm Outer diameter interaces wire insulation 40,1 mm Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation (sive) 19 Diameter of single wires 0,15 mm Conductor reassection (wire) 9.34 mm² Material properties wire insulation (type 2) 1,8 mm Material virie insulation (type 2) 1,5 mm Conductor type (wire) Strand class 5 Material conductor wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2)	Additional condition temperature range	depending on cable quality
Cable Intentification 363 Cable Type 2 Emicration cable Hybrid, Signal, Power Amount stranding 1 Stranding 2 wires stranded with filter Amount stranding (type 2) 1 Stranding (type 2) 9 wires stranded around stranding combination Filler Yes Cable weight 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter interace one insulation 1,3 mm Outer diameter interaces wire insulation 40,1 mm Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation (sive) 19 Diameter of single wires 0,15 mm Conductor reassection (wire) 9.34 mm² Material properties wire insulation (type 2) 1,8 mm Material virie insulation (type 2) 1,5 mm Conductor type (wire) Strand class 5 Material conductor wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2)	Installation Cable	
Cable Type 2 Function cable Hybrid, Signal, Power Amount stranding 1 Stranding 2 wires stranded with filler Amount stranding (type 2) 9 wires stranded around stranding combination Filler Yes Cable weight 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter tolerance core insulation 1,3 mm Outer diameter insulation 1,3 mm Outer diameter swell insulation 2,0,1 mm Shore hardness wire insulation 43 ± 5 Shore D Material properties were insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation (yee) 19 Diameter of single wires 0,15 mm Conductor oressection (vier) 0,34 mm² Malerial properties were insulation (yee) 5 mm Conductor type (vier) Strand class 5 Material wire insulation (yee) 1,3 mm Tolerance outer claimeter wire insulation (type 2) 4.2 ± 5 Shore D Unter claimeter	·	262
Function cable Hybrid, Signal, Power Amount stranding 1 Stranding 2 wires stranded with filler Amount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 9 wires stranded around stranding combination Filler Yes Cable weigh 130 g/m Material vire insulation PVC Amount wire insulation PVC Outer diameter insulation 1,3 mm Outer diameter folerance core insulation 1,3 mm Shore hardness wire insulation 40 ± 5 Shore D Gonductor orsess wire insulation 1 properties were insulation 1 properties were sixualion properties wire insulation 1 properties were sixualion properties wire insulation 1 properties wire insulation 1 properties were sixualion properties wire insulation 1 properties were sixualion properties wire insulation 1 properties wire insulation 1 properties wire insulation 1 properties wire insulation (type 2) Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 4 ± 5. Shore D Material properties wire insulation (type 2) 4 ± 5. Shore D Material properties wire insulation (type 2) 4 ± 5. Shore D Material properties wire insulation (type 2) 4 ± 5. Shore D Material properties wire insulation (type 2) 4 ± 5. Shore D Material properties wire insulation (type 2) 2 1 properties wire insulation (type 2) 2 2 1 properties wire insulation (type 2) 3 ± 5. Shore D Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 5 To mm Material properties wire insulation (type 2) 6 To mm Material properties wire insulation (type 2) 6 To mm Material properties wire insulation (type 2) 6 To mm Material properties wire insu		
Amount stranding 1 Stranding 2 wires stranded with filler Amount stranding (type 2) 1 Stranding (type 2) 9 wires stranded around stranding combination Filler Yes Cable weight 130 g/m Material wire insulation Material wire insulation PVC Amount wires 8 B Culter diameter insulation 1,3 mm Culter diameter insulation 1,3 mm Culter diameter insulation 2,3 mm Culter diameter insulation 3,3 mm Culter diameter insulation 43 ± 5 Shore D Material properties wire insulation 1,3 mm Conductor or crosssection (wire) 19 Diameter of single wires 0,15 mm Conductor or crosssection (wire) 0,34 mm² Material properties wire insulation (type 2) 1,3 mm Conductor frameter wire insulation (type 2) 2 Vec Coulter diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 1,3 mm Conductor frameter wire insulation (type 2) 2 PVC Material properties wire insulation (type 2) 2 Material properties wire insulation (type 2) 2 Material properties wire insulation (type 2) 3 Material properties wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 2 Material properties wire insulation (type 2) 3 Amount wires (type 2) 3 Amount wires (type 2) 44 ± 5 Shore D Material productor wire (type 2) 5 Strand class 5 Material wire (type 2) 5 Strand class 5 Material insulation (type 2) 5 Strand class 5 Material properties wire insulation (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 5 Strand class 5 Diameter of single wires (type 2) 6 Strand class 5 Diameter of single wires (type 2) 6 Strand class 5 Diameter of single wires (type 2) 6 Strand class 5 Diameter of single wires (type 2) 6 Strand class 5 Diameter of single wires (type 2)		
Stranding 2 wires stranded with filler		`
Amount stranding (type 2) 9 wires stranded around stranding combination Filier Yes Cable weigth 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter insulation 1,3 mm Outer diameter insulation 2,1 mm Outer diameter toterance core insulation 2,1 mm Amount wires 8 Nore hardness wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Material properties wire insulation 43 t 5 Shore D Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire (Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Toterance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 2 (and free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 1 (and free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 1 (and free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5 Electrical function wire (type 2) 5 Strand class 5		•
Stranding (type 2) 9 wires stranded around stranding combination		
Filler Yes Cable weight 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter insulation 1,3 mm Outer diameter totelarence core insulation 1,3 mm Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 1 good machinability Ingredient freeness wire insulation 1 good machinability Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires Onductor type (wire) 0,34 mm² Material conductor wire 0 Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 2 Material properties wire insulation (type 2) 2 Material properties wire insulation (type 2) 3 Amount strands wire (type 2) 3 Amount strands wire (type 2) 2 Amount wires (type 2) 2 Amount strands wire (type 2) 0,75 mm² Material wires (type 2) 0,75 mm² Material wires (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Conductor crosssection wire (type 2) Power Conductor crosssection wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Material productor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Material productor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Material product of wire (type 2) Stranded copper wire, bare Material property (type (type 2) Stranded copper wire, bare Material property (type (type 2) Stranded copper wire, bare Material property (type (type 2) Stranded copper wire, bare Material property (type (type 2) Stranded conductor wire (type 2) Stranded conductor w	<u> </u>	
Gable weight 130 g/m Material wire insulation PVC Amount wires 8 Outer diameter insulation 1,3 mm Outer diameter blerance core insulation ± 0,1 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 Isingle wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material proprites wire insulation (type 2) 43 ± 5 Shore D Material proprites wire insulation (type 2) 43 ± 5 Shore D Ingredient freeness wire insulation (type 2) 43 ± 5 Shore D Ingredient freeness wire insulation (type 2) 43 ± 5 Shore D Onductor crossection wire (type 2) 5 m		-
Material wire insulation PVC Amount wires 8 Outer diameter insulation 1,3 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cafmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of Isingle wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material wire insulation (type 2) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Material wire insulation (type 2) PVC Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) Qo.2 mm Conductor crosssection wire (type 2) Q.2 mm Conductor crosssection wire (type 2		
Amount wires 8 Outer diameter insulation 1,3 mm Other diameter tolerance core insulation ± 0,1 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 Conductor crossaction (wire) 0,34 mm² Material wire insulation (type 2) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Outer diameter wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 20,1 mm 2) Stranded copper wire, bare 2) Material properties wire insulation (type 2) 3 3 Amount wires (type 2) 3 4 Amount wires (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crossection wire (type 2) Stranded copper wire, bare <td></td> <td></td>		
Outer diameter insulation 1,3 mm Outer diameter tolorance core insulation ± 0,1 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 Conductor of single wires 0,34 mm² Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded sass 5 Material conductor wire Strand class 5 Outer diameter wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 16 ± 4 mm. Amount wires (type 2) 3 Amount wires (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crossection wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Str		
Outer diameter tolerance core insulation ± 0.1 mm 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 Conductor crossection (wire) 0.34 mm² Material anoductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 4.9 mm Shore hardness wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 3 Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 5 Tranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Ele		
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 Conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) 16 and free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Material conductor wire (type 2) Strand class 5 Uire diameter (jacket) 8,1 mm Tolerance outer diameter (skeath) ± 5 % <th< td=""><td></td><td></td></th<>		
Material properties wire insulation Ingredient freeness 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 Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) \$trand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 5 tranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Electrical function wire (type 2) Power Outer-diameter (jacket) <t< td=""><td></td><td><u> </u></td></t<>		<u> </u>
Ingredient freeness wire insulation Amount Strands (wire) 19 Diameter of single wires (stranded copper wire, bare 2) Diameter of single wires 10, 25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) Material wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) Material properties wire insulation (type 2) Diameter of single wires (type 2) Conductor crosssection wire (type 2) O,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Strand class 5 Electrical function wire (type 2) Outer-diameter (jacket) Shore hardness jacket PUR Shore h		
Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) a Amount wires (type 2) 3 Amount strands wire (type 2) 4.2 Diameter of single wires (type 2) 0,75 mm² Material productor wire (type 2) Strand class 5 Electrical function wire (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 1,1 mm Tolerance outer diameter (shecket) 2,5 % Material properties wire insulation (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (shecket) 1,5 % Material conductor wire (type 3) Amount wire (type 3) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (shecket) 1,5 % Material property (jacket) 1,5 % Material property (jacket) 1,5 Shore A Freedom from ingredients (jacket) 1,5 Shore A Freedom from ingredients (jacket) 2,5 Shore A Freedom from ingredients (jacket) 2,5 Shore A Baterial property (jacket) 3,5 Shore A Freedom from ingredients (jacket) 4,5 Shore A Baterial property (jacket) 4,5 Shore A Baterial inner jacket 5,7 Ω/km @ 20 °C		
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 2,0 nm Shore hardness wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare User-diameter (speckt) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket)		
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 3 Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,7 mm² Material conductor wire (type 2) 0,7 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) abrasin-resistant, low adhesion, good machinabil	<u> </u>	
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) ± 0,1 mm Shore hardness wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 43 ± 5 Shore D Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Power Outer-diameter (gacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) abrasion-resistant,		,
Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) ± 0,1 mm Shore hardness wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) Bad-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability,	, ,	·
Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) ± 0,1 mm Shore hardness wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		
Outer diameter wire insulation (type 2) 1,8 mm Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 5 tranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) 57 Ω/km @ 20 °C </td <td></td> <td></td>		
Tolerance outer diameter wire insulation (type 2) 43 ± 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		
2) $\pm 0.1 \text{mm}$ Shore hardness wire insulation (type 2) 43 \pm 5 Shore D Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,75 mm² Conductor crosssection wire (type 2) Ntranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) \pm 5 % Material jacket PUR Shore hardness jacket 87 \pm 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω /km @ 20 °C		1,8 11111
Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) lead-free, cadmium-free, CFC-free, silicone-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C	2)	
Ingredient freeness wire insulation (type 2) Amount wires (type 2) Amount strands wire (type 2) Diameter of single wires (type 2) O,2 mm Conductor crosssection wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Electrical function wire (type 2) Over Outer-diameter (jacket) Anderial jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) Material property (jacket) Area dead-free, cadmium-free, CFC-free, silicone-free Material inner jacket PVC Color (inner jacket) 57 Ω/km @ 20 °C		
Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		,
Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0,75 mm² Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		
Diameter of single wires (type 2) 0,2 mm Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		
Conductor crosssection wire (type 2) 0,75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		24
Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		•
Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		· · · · · · · · · · · · · · · · · · ·
Electrical function wire (type 2) Power Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		
Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		Strand class 5
Tolerance outer diameter (sheath) ± 5 % Material jacket PUR Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		Power
Material jacketPURShore hardness jacket87 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeMaterial property (jacket)abrasion-resistant, low adhesion, good machinability, matteMaterial inner jacketPVCColor (inner jacket)grayConductor resistance (wire)57 Ω/km @ 20 °C		8,1 mm
Shore hardness jacket 87 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C		± 5 %
Freedom from ingredients (jacket) Material property (jacket) Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) Bead-free, cadmium-free, CFC-free, silicone-free abrasion-resistant, low adhesion, good machinability, matte PVC Gray Color (inner jacket) S7 \(\Omega \)/km \(\omega \) 20 \(\omega \)C	Material jacket	
Material property (jacket) abrasion-resistant, low adhesion, good machinability, matte Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C	Shore hardness jacket	
Material inner jacket PVC Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C	Freedom from ingredients (jacket)	
Color (inner jacket) gray Conductor resistance (wire) 57 Ω/km @ 20 °C	Material property (jacket)	<u>-</u>
Conductor resistance (wire) 57 Ω/km @ 20 °C	Material inner jacket	PVC
	Color (inner jacket)	gray
Max. rated voltage (conductor - ground) 300 V	Conductor resistance (wire)	57 Ω/km @ 20 °C
	Max. rated voltage (conductor - ground)	300 V
	Max. rated voltage (conductor - conductor)	
Withstand voltage (wire - wire) 2 kV @ 60 s	Withstand voltage (wire - wire)	2 kV @ 60 s



Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Current load capacity min. Wire (type 2)	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (static)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-5 °C
Operating temperature max. (drag chain)	60 °C
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)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
Connection type 3	
Family construction form	free cable end
No. of poles	11
Family construction form	free cable end
No. of poles	13
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE