

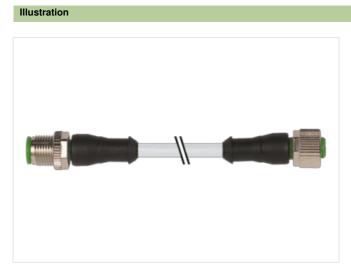
## M12 male 0° / M12 female 0° A-cod.

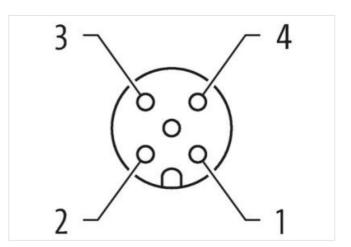
PUR 4x0.34 gy UL/CSA 5m

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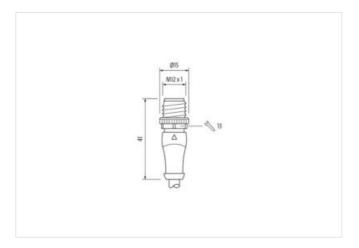
Male straight – female straight M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product





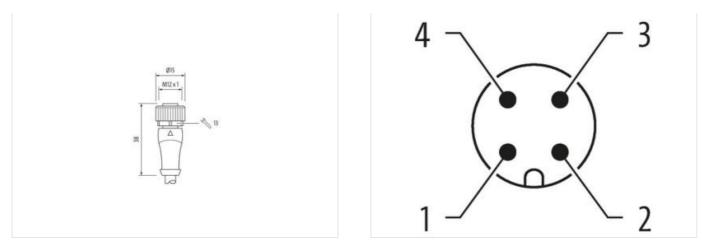




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-02

Murrelektronik GmbH | Office Park 4, 4.0G/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at





Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879184342

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Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Electrical data   Supply     250 V       Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC Max.     30 V       Operating voltage DC (UL-lated)     30 V       Contrant operating voltage DC (UL-lated)     30 V       Installant Connection     4 A       Installant Connection     4 A       Division Degree contast max.     4 A       Additional condition protection of specee     5 Secondation Sec	Packaging unit	1
Operating voltage AC max.250 YOperating voltage AC (unis.ets)250 VOperating voltage AC (unis.ets)30 VOperating voltage AC (unis.ets)30 VContract operating voltage AC (unis.ets)30 VContract operating voltage AC (unis.ets)30 VInstitution   ConnectionX 1Institution   ConnectionX 1Device protection effective1institution   ConnectionDevice protection foction opticel on effective1institution   ConnectionPolizion Operation opticel on effective23Addinate concil on protection effective2institution   ConnectionMaderal prop. (ED 6064-1)1Institution Degree3Addinate concil on effective2institution   ConnectionMaderal prop. (ED 6064-1)1Institution DegreeNickoledCoating Coll IllingnickoledCoating Coll Illinginstitution   ConnectionMutching effective2Zone di-castingMounting methoninstitution   ConnectionInstitution effective2CommethonDepending tomperature min.25 °COperating tomperature max.85 °CNoten institution notesInstitution Conserve Inspire   Sone Montel for   Connection   Sone Montel		
Operating valtage DC max.     250 V       Operating valtage DC max.     30 V       Operating valtage DC max.     4 A       Installation I Connection     Mile x 1       Device protection I Electrical     Mile x 1       Device protection I Electrical     30 V       Additional condition protection degree     3       Rated surge voltage     2,5 KV       Material group (ED 6064-1)     1       Mechanical data I Material data     Contemp (Do 6064-1)       Conting Do King     Nickled       Conting Do King Do King     Nickled       Conting Do King		
Operating voltage AC (UL island)     90 V       Operating voltage AC (UL island)     90 V       Concert operating per contact max.     4 A       Installation   Connection     Munting set       Bovice production   Electrical     Electrical       Additional condition protection degree     Installation       Pollution Degree     3       Radia surge voltage AC (UL island)     1       Maderal group (IEC 0064-1)     1       Machanical datal     Material group (IEC 0064-1)       Cataling doking     Nickoled       Cataling doking method     Inserted, screwed, Shaking protection       Environmetial barbarcetristics   Climatic     Climatic       Operating temperature max.     85 °C       Additional condition tores     Attention: Conserve the permissible bending radii when laying cables, as the IP protection dass can be andiagraed by excreasive bending racis. </td <td></td> <td></td>		
Operating vertage DC (UL-Isend)     90 V       Current operating per contact max.     4 A       Installation [Conconcion     Installation [Conconcion [Electrical       Mounting soft     M12 x 1       Device protection [Electrical     Additional condition       Additional condition protection degree     9       Rated aurge voltage     2.5 kV       Material group (IEC 60664-1)     1       Mechanical data [Material data     Coating of Lifting       Coating of Lifting     nickel plated       Mounting method     liserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Climatic       Coating temperature min.     -25 °G       Operating temperature min.     -25 °G       Operating temperature max.     85 °G       Note on chain relief		
Current operating per contact max.     4 A       Installation (Connection)       Working set     M12 x 1       Device protection   Electrical     Insolution set (Second Connection)       Additional condition protection degree     insolution Second Connection       Patheor Second Connection     Second Connection       Additional condition protection degree     Second Connection       Retard surge voltage     2,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Costing of fitting       Costing of fitting     nickel plated       Costing of fitting     nickel plated       Costing of fitting     nickel plated       Costing for fitting     nickel plated       Costing for fitting     nickel plated       Multing method     inserted, screwed, Shaking protection       Environmental Characteristics   Climatic     Stree or		
Installation   Connection       Mouring pat     M12 x 1       Device protection   Electrical     Inserted, serwed       Addional condition protection organo     3       Rated surge votage     3       Rated surge votage     2,5 kV       Material group (ECE 60664-1)     I       Material group (ECE 60664-1)     Nickelad       Costing Offring     Nickelad       Material score connection     Since oceasting       Material score connection     Since oceasting       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Note on stani installation notes     Acterioacitos by suitable masures from mechanical loads, e.g. by the usage of cable tes.       Note on stani elief     Potest the connectors by suitable masures from mechanical loads, e.g. by the usage of cable tes.       Operating temperature max.		
Maining aet     M12 x 1       Device protection   Electrical     Isentad, screwad       Additional condition protection degree     isentad, screwad       Pullition Degree     3       Rated zurge voltage     2,5 kV       Material group (JFC 60664+1)     I       Device (Soffer 4)     Nickeled       Conting for filing     Nickeled       Conting filing     Isorfard       Protection filing     Isorfard       Conting filing     Isorfard       Protococcccccccccccccccccccccccccccccccc	Current operating per contact max.	4 A
Device protection   Electrical     Inserted, screwed       Additional condition protection degree     3       Pollution Degree     3       Rater aurge vortage     2,5 KV       Material group (EC 6064-1)     1       Mechanical data   Material data     Conting only       Coating locking     Nockeld       Coating locking of titing     Nockeld       Metrial screw concetion     Zinc die casting       Material screw concetion     Zinc die casting       Metrial screw concetion     Sinsted, screwed, Shaking protection       Parting temperature main.     45 °C       Operating temperature rans.     85 °C       Note on strain relief     Protect the concectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on strain relief <td>Installation   Connection</td> <td></td>	Installation   Connection	
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Read surge voltage     2,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Nickeled       Coating of fitting     Nickeled       Coating of titing     Nickeled       Coating of titing     Nickeled       Coating discover connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Material screw connection     Sine die-casting       Material screw connection     Sine die-casting       Operating imperature min.     -25 °C       Operating temperature min.     -25 °C       Operating integrature max.     Bs °C       Additional condition temperature range     depending on cable quality       Insert and relief     Nicke the connectors by suitable measures from mechanical loads, e.g. by the usage of cab	Mounting set	M12 x 1
Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (162 60664+1)     1       Mechanical data   Material data     Coating folding       Coating folding     Nickeled       Coating folding     Nickeled       Coating folding     Nickeled       Coating folding     Cite casting       Metrial screw connection     Zine die-casting       Metrial screw connection     Zine die-casting       Metrial screw connection     Zine die-casting       Mounting mathe     Linearde. screwed, Shaking protection       Environmental characteristics   Climatic     Serve       Operating temperature min.     -25 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Se °C       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Contomity     Protect the pornisable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable forge     2 (PURPVC)       Approval (cable)     UL (AVMN-Style 20549/1731), CSA; CE conform       Cable forgin     <	Device protection   Electrical	
Rated surge voitage     2.5 kV       Material group (EC 6064-1)     1       Mechanical data [Material data     Caaling locking     Nickeled       Caaling locking     Nickeled     Caaling locking       Caaling locking material     Zino die-assing     Caaling locking material       Mechanical data [Mounting data     Incereasting     Caaling locking protection       Mechanical data [Mounting data     Incereasting     Caaling locking protection       Environmental characteristics [Climatic     Coperating temperature max.     25 °C       Operating temperature max.     85 °C     Caaling locking and	Additional condition protection degree	inserted, screwed
Material group (IEC 60684-1)     I       Mechanical data   Material data     Ixikeled       Coating of Iting nickel plated     Ixikel plated       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechanical data   Mounting data     Ixiserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Important installation notes       Moter a stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending force.       Contemity     Product standard     DUIN IN 1076-2-101 (M12)       Cable dentification     224     Cable dentification     244       Cable Multigning     42.8 B     Guines at a main relief     Guines at a relief       Single wire 8 (core)     0.1 mm     Cable dentification     244       Cable forging (core)	Pollution Degree	3
Mechanical data   Material data       Coating looking     Nickeled       Coating looking     nickel plated       Coating of lifting     Zinc die-casting       Material screw connection     Zinc die-casting       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     isosted, screwed, Shaking protection       Coperating temperature min.     26 °C       Operating temperature max.     85 °G       Additional condition temperature max.     85 °G       Additional condition temperature max.     85 °G       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Nate on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Cotornity     Environmental admonector by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Cable otentification     244       Cable otentification     244       Cable otentification     24.8 g       Material wire     Cu wire, bare       Cable weight (pfm)     42.8 g <td>Rated surge voltage</td> <td>2,5 kV</td>	Rated surge voltage	2,5 kV
Coating locking     Nickeied       Coating of fitting     nickei plated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Inserted, serwed, Shaking protection       Environmental characteristics [ Climatt     Voronmental characteristics [ Climatt       Operating temperature min.     -25 °C       Operating temperature main.     25 °C       Operatin installation notes     S5 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class frading occes.       Coator </td <td>Material group (IEC 60664-1)</td> <td>I</td>	Material group (IEC 60664-1)	I
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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 endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endinger	Mechanical data   Material data	
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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 endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endinger	•	Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on stain 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.       Conformity     Eable       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type       Approval (cable)     LL (AVM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42.68 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 2km (20 °C)		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature man.     85 °C       Additional condition temperature mane     depending on cable quality       Important installation notes     Mounting radius       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Cable demification     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable     DIN EN 61076-2-101 (M12)       Cable demification     224       Cable displication     224       Cable weight [g/m]     42.88 g       Material wire     Cu wire, bare       Resistor (core)     0.1 mm       Construction (core)     42.0.0 mm (multi-strand wire class 6)       Diameter (core)     42.0.01 mm (multi-strand wire class 6)       Diameter (core)     43.0.0		
Mechanical data   Mounting data       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Composition       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Operating radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending forces.     Conformity       Product standard     DIN EN 61076-2-101 (M12)       Cable foldentification     224       Cable foldentification     24       Cable foldentification     42.68 g       Material wire     Gu wire, bare       Resistor (core)     max. 57 Q/km (20 °C)       Single wire Ø (core)     0.1 mm (multi-strand wire class 6)		-
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Important installation notes     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     DIN EN 61076-2-101 (M12)       Cable viele/tippe     2 (PUR/PC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable wiele/tis[0]     Qui wre, bare	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     depending on cable quality       Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable Identification     224     Cable Type       Cable Type     2 (PUR/PVC)     Approval (cable)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable Type       Cable Type     2 (PUR/PVC)     Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42,68 g     Material wire     Cu wire, bare       Resistor (core)     0.1 mm     Construction (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core) <t< td=""><td></td><td>inserted, screwed, Shaking protection</td></t<>		inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       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.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification     224       Cable Identification     224     Cable identification       Cable weight [g/m]     42.68 g     Material wire       Material wire     Cu wire, bare     Resistor (core)       Single wire Ø (core)     0.1 mm (multi-strand wire class 6)     Diameter (core)       Diameter (core)     4× 0.34 mm²     AWG     Similar to AWG 22       Material wire isolation     9× 0     Strom ±5%     Color/umbering of wires       Shore hardness wire isolation     1.25 mm ±5%     Color/umbering of wires     br, bk, bl, wh	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       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.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification     224       Cable Identification     224     Cable identification       Cable weight [g/m]     42.68 g     Material wire       Material wire     Cu wire, bare     Resistor (core)       Single wire Ø (core)     0.1 mm (multi-strand wire class 6)     Diameter (core)       Diameter (core)     4× 0.34 mm²     AWG     Similar to AWG 22       Material wire isolation     9× 0     Strom ±5%     Color/umbering of wires       Shore hardness wire isolation     1.25 mm ±5%     Color/umbering of wires     br, bk, bl, wh	Operating temperature min	-25 °C
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification       224     Cable Type       Cable weight [g/m]     42.68 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 0/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     4× 0.34 mm²       Meterial wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%       Color/mumbering of wires     br, bk, bl, wh       Stranding combination     4 wires twisted		
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.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42.68 g       Material wire     Cu wire, bare       Resistor (core)     0.1 mm       Construction (core)     42.0 mm (multi-strand wire class 6)       Diameter (core)     4.0.3 mm²       AWG     similar to AWG 22       Material wire isolation     YE O       Material property wire insulation     CFC, cadmium-, silicone- and lead-free       Shore hardness wire isolation     3 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/mumbering of wires     br, bt, bt, wh       Stranding combination     4 wires twisted		
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.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable       Cable     Cable (PUR/PVC)     Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42,68 g     Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)     Material wire     Cu wire, bare       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)     Diameter (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     43 ± 5 D     Material wire     Stram ± 5%     Stram ± 5%       Color/mumpering of wires     br, bi, bi, wh     Stranding combination     42 ± 5 m ± 5%		
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable       Cable identification     224     Cable identification     224       Cable or all cable     UL (AWM-Style 20549/1731), CSA; CE conform     Cable identification     224       Cable weight [g/m]     42,68 g     Material wire     Cu wire, bare     Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm     Construction (core)     42× 0.1 mm (multi-strand wire class 6)     Diameter (core)     4× 0.34 mm²       AWG     similar to AWG 22     Material property wire insulation     PCC     Cadmin., silicone- and lead-free       Shore hardness wire isolation     3 ± 5 D     Wire-Ø incl. isolation     1.25 mm ±5%     Color/numbering of wires     br, bk, bl, wh       Stranding combination     4 wires twisted     Note     Stranding combination     4 wires twisted		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Note on behalting radius     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Cable     224       Cable identification     224       Cable identification     21 (PUR/PVC)       Approval (cable)     UL (AVM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42,68 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     4 × 0.34 mm²       AWG     similar to AWG 22       Material property wire isolation     PVC       Material property wire isolation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh       Stranding combination     4 wires twisted		
Product standardDIN EN 61076-2-101 (M12)CableCable identification224Cable identification2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø Incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Note on bending radius	endangered by excessive bending forces.
Cable       Cable identification     224       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42,68 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     4× 0.34 mm²       AWG     similar to AWG 22       Material wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh       Stranding combination     4 wires twisted       Shield     no	Conformity	
Cable identification224Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Product standard	DIN EN 61076-2-101 (M12)
Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable	
Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable identification	224
Cable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable Type	2 (PUR/PVC)
Material wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno		UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno		42,68 g
Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Material wire	Cu wire, bare
Construction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core) $4 \times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation $43 \pm 5 \text{ D}$ Wire-Ø incl. isolation1.25 mm $\pm 5\%$ Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Single wire Ø (core)	0.1 mm
AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Diameter (core)	4× 0.34 mm <sup>2</sup>
Material property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	AWG	similar to AWG 22
Shore hardness wire isolation 43 ±5 D   Wire-Ø incl. isolation 1.25 mm ±5%   Color/numbering of wires br, bk, bl, wh   Stranding combination 4 wires twisted   Shield no	Material wire isolation	PVC
Wire-Ø incl. isolation 1.25 mm ±5%   Color/numbering of wires br, bk, bl, wh   Stranding combination 4 wires twisted   Shield no	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Shore hardness wire isolation	43 ±5 D
Stranding combination 4 wires twisted   Shield no	Wire-Ø incl. isolation	1.25 mm ±5%
Shield no	Color/numbering of wires	br, bk, bl, wh
Material jacket PUR/PVC	Shield	no
	Material jacket	PUR/PVC

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-02

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-

Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.6 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>

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