

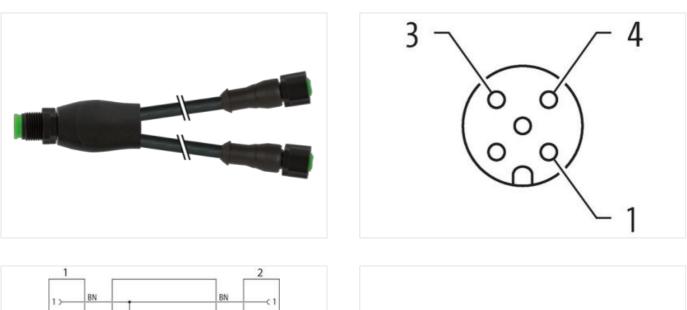
## Y-Distributor M12 male / M12 female 0° A-cod. V2A

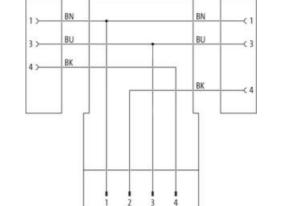
FEP 5xAWG22 bk 1m

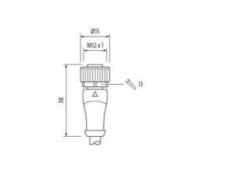
Y-connector M12 – M12, 4/3-pole Male straight – females straight Stainless steel 1.4305 (V2A) PTFE coated Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration

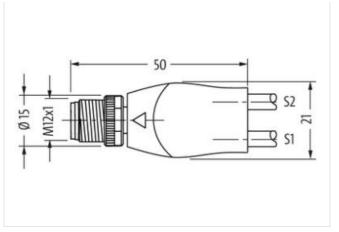


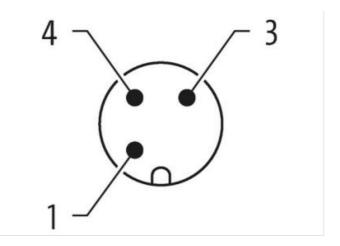




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-12







Product may differ from Image

Cable length	1 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
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M12
Coding	A
No. of poles	3
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060313
ECLASS-10.1	27060313
ECLASS-11.1	27060313
ECLASS-12.0	27060313
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879401616

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Electrical data   SupplyOperating voltage AD max.250 VOperating voltage DO max.4 ADigorating voltage DO max.4 ABite indication EDnoDispectedInternet December Do the De	Packaging unit	1
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Status Indication LED         no           Device protection   Electrical           Additional condition protection degree         3           Additional condition protection degree         3           Rated surge voltage         2,5 kV           Meteral group (EC 60664-1)         1           Meteral dosi (EC 6066-1)         PTEE beschichtet           Meteral dosi (EC 6066-1)         PTEE beschichtet           Meteral dosi (EC 6066-1)         Stainless steel 14305 (V2A)           Meteral dosi (Mounting datal         PUP           Locking material         Stainless steel 14305 (V2A)           Mechanica dis (Mounting datal         Stainless steel 14305 (V2A)           Mechanica dis (Mounting datal         Georeding on cable quality           Operating temperature max.         85 °C           Cable dentification temperature max.         85 °C           Operating temperature max.         85 °C           Cable dentification temperature max.         85 °C           Operating temperature max.		4 A
Device protection letextrical         Inserted, screwed           Additional condition protection degree         3           Ratel surge voltage         2.5 kV           Material group (IEC 60661-1)         1           Material group (IEC 60661-1)         1      <	Diagnostics	
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Material gasket         FKM           Material housing         PUR           Locking material         Stainless steel 1.4305 (V2A)           Mechanical data [Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature mage         depending on cable quality           Importal installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Material jackb         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by successive bending forces.           Tastalation [Cable         Exel           Cable identification         828           Jacket Color         black           Anount strainding         1           Stranding         PTE-Fole           Filer         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44.88 g/m           Toterance outer diameter (sheath)         ± 5	Coating locking nut	PTEE beschichtet
Material housing         PUR           Locking material         Stainless steel 1.4305 (V2A)           Mechanical data  Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climattic         Comparities           Operating temperature max.         85 °C           Additional condition 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 files.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Note on bending radius         Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be ending forces.           Installation [ Cable         Cable identification         828           Jacket Color         black           Material jacket         PTFE-Foile           Filer         yes           wire arangement         brown, black, blue, white, green-yellow           Cable weight         44,88 g/m           Material jacket         FEP           Shore horness jacket         5 %           Outer diameter (deneath)         4 % %		
Locking material         Stainless steel 1.4305 (V2A)           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Note on banding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection fradi when laying cables, as the IP protection class can be endangered by excessive bendin	Material housing	
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Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Environmental 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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Ease           Cable identification         828           Jacket Color         black           Anount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         Iead-free, CFC-free, halogen-free           <	-	
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         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.           Installation   Cable         Cable identification         828           Jacket Color         black         Cable identification         828           Jacket Color         black         Cable identification         828           Stranding         PTE-Frolie         Filler         Yes           wite arrangement         yes         yes         Yes           Shore hardness jacket         F7 ± 5 Shore D         File         File           Foredom from ingredients (jacket)         4.3 mm         Tolerance outer diameter (sheath)         4.5 %           Outer diameter (loaket)         4.3 mm         Tolerance outer diameter (sheath)         5 %           Outer diameter tolerance core insultation         5.5 %         Sole the file         Sole the file           Diferenco unere insultation         5.5 % No		incented comment Challing and other
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation I Cable         Education I Cable           Cable identification         828           Jacket Color         black           Anount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44.88 g/m           Material jacket         FEP           Shore hardnese jacket         57 ± 5 Shore D           Freecom from ingredients (jacket)         iad.4ree, CFC-free, halogen-free           Outer diameter (isolation         ± 5 %           Outer diameter insulation         1.3 mm           Outer diameter insulation         1.5 % <t< td=""><td>-</td><td>Inserted, screwed, Snaking protection</td></t<>	-	Inserted, screwed, Snaking 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 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.           Installation   Cable         Cable identification           Cable identification         828           Jacket Color         black           Annount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         44.88 µm           Material jacket         FEP           Shore D         Freedom from ingredients (jacket)           User-fameler (ideatif)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount twires         5           Outer diameter t	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable           Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44.88 g/m           Material jacket         FEP           Store form from ingredients (jacket)         Iead-free, CFC-free, halogen-free           Outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Attention wires         5           Outer diameter tolerance core insulation         1.3 mm           Outer diameter tolerance	Operating temperature min.	-25 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Excessive bending forces.           Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         Swires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44.88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         5           Outer diameter insulation         ± 5 %           Material wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire in	Operating temperature max.	85 °C
Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Standing         Standing           Cable identification         828           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer diameter (sheath)         ± 5 %           Material jackit         FEP           Amount wires         5           Outer diameter insulation         FEP           Amount wires         5           Outer diameter insulation         £ 5 %           Material wire insulation         £ 5 %           Amount strands (wire)         5 Shore D           Ingredient tolerance core insulation	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable           Cable identification         828           Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer diameter (lacket)         4.5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         5 %           Shore D         FEP           Amount wires         5           Outer diameter insulation         £5 %           Shore hardness wire insulation         £5 %           Shore hardness wire insulation         £5 %           Shore hardness wire insulation         5 ± 5 Shore D	Important installation notes	
Note on bending radius         endangered by excessive bending forces.           Installation   Cable           Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5%           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter insulation         1,3 mm           Outer diameter tolerance core insulation         ± 5%           Shore hardness wire insulation         5± ± 5 Shore D           Ingredient freeness wire insulation         5± ± 5 Nore D           Ingredient freeness wire insulation         184-free, CFC-free, halogen-free           Amount s	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification828Jacket ColorblackAmount stranding1Stranding5 wires around Filler twistedBandingPTFE-FolieFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth44,88 g/mMaterial jacketFEPShore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (sheath)± 5 %Material wire insulationFEPShore hardness wire insulation5 ± 5 Shore DOuter diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation55 ± 5 Shore DOuter diameter tolerance core insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Filleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth44.88 g/mMaterial jacketFEPShore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationIead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable	828 black
Arrangementbrown, black, blue, white, green-yellowCable weigth44,88 g/mMaterial jacketFEPShore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation10 + 5 %Shore hardness wire insulation5 + 5 Shore DIngredient freeness wire insulation19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color	828 black 1
Cable weigth44,88 g/mMaterial jacketFEPShore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding	828 black 1 5 wires around Filler twisted
Material jacketFEPShore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation5 5Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding	828 black 1 5 wires around Filler twisted PTFE-Folie
Shore hardness jacket57 ± 5 Shore DFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding	828 black 1 5 wires around Filler twisted PTFE-Folie yes
Freedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler	828 black 1 5 wires around Filler twisted PTFE-Folie yes brown, black, blue, white, green-yellow
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m
Tolerance outer diameter (sheath)± 5 %Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth	828       black       1       5 wires around Filler twisted       PTFE-Folie       yes       brown, black, blue, white, green-yellow       44,88 g/m       FEP
Material wire insulationFEPAmount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D
Amount wires5Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D         lead-free, CFC-free, halogen-free
Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires22 AWGConductor crosssection (wire)22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D         lead-free, CFC-free, halogen-free         4,3 mm
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       19         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D         lead-free, CFC-free, halogen-free         4,3 mm         ± 5 %
Shore hardness wire insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       19         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D         lead-free, CFC-free, halogen-free         4,3 mm         ± 5 %         FEP
Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       19         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	828         black         1         5 wires around Filler twisted         PTFE-Folie         yes         brown, black, blue, white, green-yellow         44,88 g/m         FEP         57 ± 5 Shore D         lead-free, CFC-free, halogen-free         4,3 mm         ± 5 %         FEP         5
Amount strands (wire)     19       Diameter of single wires     22 AWG       Conductor crosssection (wire)     22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	828         black         1           1         5 wires around Filler twisted         PTFE-Folie           yes         brown, black, blue, white, green-yellow         44,88 g/m           44,88 g/m         FEP         57 ± 5 Shore D           lead-free, CFC-free, halogen-free         4,3 mm           ± 5 %         FEP           5         1,3 mm
Diameter of single wires     22 AWG       Conductor crosssection (wire)     22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	828           black           1           5 wires around Filler twisted           PTFE-Folie           yes           brown, black, blue, white, green-yellow           44,88 g/m           FEP           57 ± 5 Shore D           lead-free, CFC-free, halogen-free           4,3 mm           ± 5 %           FEP           5           1,3 mm           ± 5 %
Conductor crosssection (wire) 22 AWG	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	828         black         1           1         5 wires around Filler twisted         PTFE-Folie           yes         brown, black, blue, white, green-yellow         44,88 g/m           44,88 g/m         FEP         57 ± 5 Shore D           1         1         1           5 %         FEP         1           5 %         FEP         1           5 %         FEP         1           5 %         FEP         5           5 %         FEP         5
	Installation   Cable Cable identification Jacket Color Amount stranding Stranding Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	828         black         1           1         5 wires around Filler twisted         PTFE-Folie           yes         brown, black, blue, white, green-yellow         44.88 g/m           44.88 g/m         FEP         57 ± 5 Shore D           lead-free, CFC-free, halogen-free         4,3 mm           ± 5 %         5           5         1,3 mm           ± 5 %         5           55 ± 5 Shore D         lead-free           13 mm         ± 5 %           55 ± 5 Shore D         lead-free           1,3 mm         ± 5 %
Material conductor wire copper stranded wire, tinned	Installation   CableCable identificationJacket ColorAmount strandingStrandingBandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	828         black         1           5 wires around Filler twisted         PTFE-Folie           yes         brown, black, blue, white, green-yellow           44,88 g/m         FEP           57 ± 5 Shore D         lead-free, CFC-free, halogen-free           4,3 mm         ± 5 %           FEP         5           1,3 mm         ± 5 %           55 ± 5 Shore D         lead-free, CFC-free, halogen-free           1,3 mm         ± 5 %           15 ± 5 Shore D         lead-free, CFC-free, halogen-free
	Installation   CableCable identificationJacket ColorAmount strandingStrandingBandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationAmount strands (wire)	828         black         1           1         5 wires around Filler twisted         PTFE-Folie           928         brown, black, blue, white, green-yellow         44,88 g/m           44,88 g/m         FEP         57 ± 5 Shore D           1ead-free, CFC-free, halogen-free         4,3 mm           ± 5 %         5           5         1,3 mm           ± 5 %         55 ± 5 Shore D           1ead-free, CFC-free, halogen-free         1           1,3 mm         ± 5 %           55 ± 5 Shore D         1           19         22 AWG

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: 2024-05-12



Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	52,2 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-100 °C
Max. operating temperature (fixed)	180 °C
Operating temperature min. (dynamic)	-100 °C
Operating temperature max. (dynamic)	180 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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