

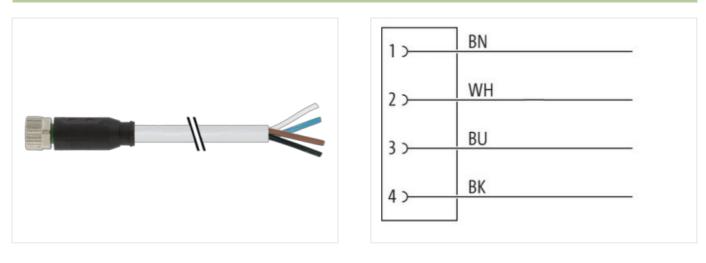
## M8 female 0° A-cod. with cable

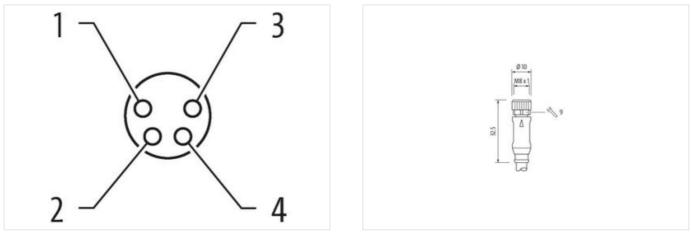
PUR 4x0.25 gy UL/CSA+drag ch. 7.5m

Female straight M8, 4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves 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





Product may differ from Image



7,5 m

0,4 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-20



Cataling constractopin patientCataling constraction fromMATreadMA 1aniable for consignated lube (internal O)6.5 mmCacdingAMaterial contactCooper alusyMaterial contactCooper alusyMaterial contactPURNo. of poles4Wich aroos fillsSV9Dayne of protector (EN EC 60520)P65. (P67.State 2Person Construction formConstruction formFrom construction formFrom construction formFrom construction formFrom construction formFrom construction formConstruction formFrom construction formConstruction formFrom construction formColl ASS 0.027737218Coll ASS 0.027060311Coll ASS 0.027060311Coll ASS 0.0Coll ASS 0.0 <t< th=""><th>Mounting method</th><th>inserted, screwed</th></t<>	Mounting method	inserted, screwed
Tread       M8 × 1         allable for corrugated lube (internal O)       6.5 mm         coding       A         Material contact       Copper allay         Material contact       Copper allay         Material contact       PUR         No. of poles       4         With across fills       SW9         Degree of protection (EN IEC 60528)       IP65, IP66K, IP67         Stop 2       Enternal Contact         Stop 2       Enternal Contact         Contant Contact       God pl plided         Family construction form       Intre cable end         Commercial Contact       27279218         ECLASS-0       27279218         ECLASS-0       27279218         ECLASS-10       27260311         ECLASS-10       27060311         ECLASS-11       27060311         ECLASS-11       27060311         ECLASS-12       27060311         ECLASS-13       27060311         ECLASS-14       20060311         ECLASS-10       27060311         ECLASS-10       27060311         ECLASS-10       27060311         ECLASS-10       270	Coating contact	gold plated
autable for corrugated tube (Internal (D)       8.5 mm         Coding       A         Material contact       Copper allay         Material contact       PUR         No. of polis       4         With accoss flats       SW0         Degree of protection (EN IEC 60528)       IP65, IP66K IP67         Side 2          Sing contact       gold plated         Family construction form       free cable end         Contang contact       gold plated         Family construction form       free cable end         Contact contact       27278218         ECLASS 10,       27000311         ECLASS 10,       27000311         ECLASS 10,       27000311         ECLASS 11,       27000311         ECLASS 10,       27000311         ECLASS 11,	Family construction form	M8
Coding       A         Material contact       Copper alloy         Material       PUR         No. of poles       4         Width across faits       SW9         Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 2          Stoping length (lackat)       20 mm         Coating contact       gold plated         Family construction form       there able end         Commercial clat       gold plated         ECLASS 0       27278218         ECLASS 10       27278218         ECLASS 10       27278218         ECLASS 10       27000311         ECLASS 10       2000155         Cuatoms tarlf mmber       8544290         GTM       404897022753         Parex	Thread	M8 x 1
Material       Copper ality         Material       PUR         No. of poles       4         With across flas       SV9         Degree of protection (FN IEC 60529)       IPES, IP66K, IP67         Stice 2       Stice 1         Stripping length (jackul)       20 mm         Coaling contact       gold pated         Family construction form       tree cable and         Contract       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27060311         ECLASS-8.0       27060311         ECLASS-8.0       27060311         ECLASS-8.0       27060311         ECLASS-8.0       27060311         ECLASS-8.0       27060311         ECLASS-8.0       2706031         Construction the set set set set set set set set set se	suitable for corrugated tube (internal Ø)	6,5 mm
Match       PUR         No. dr poles       4         With acress fats       SW9         Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 2          Stripping length (lacket)       20 mm         Coating contact       gold placed         Family constituction form       free cable and         Commercial dist       22729218         ECLASS-6.0       27279218         ECLASS-7.0       22729218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27260311         ECLASS-8.0       27260311         ECLASS-1.1       27060311         ECLASS-1.2       27060311         ECLASS-1.3       27060311         ECLASS-1.4       27060311         ECLASS-1.5       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311 <t< td=""><td>Coding</td><td>A</td></t<>	Coding	A
No. of poles       4         With across flats       SW9         Degree of protection (EN EC 60529)       IP65, IP66K, IP67         Side 2       Side 2         Singbing longht (lacku)       20 mn         Coating context       opd jaled         Family construction form       free cable and         Commercial data       2273218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETMA-6.0       E0001885         Countom turn fumber       8644290         Otta       90 V         Operating voltage AC max.       50 V         Operating voltage AC (UL-lated)       30 V         Operating voltage AC (UL-lated	Material contact	Copper alloy
Width across flats       SVM9         Dagree of protection (EN IEC 68528)       IP65, IP66K, IP67         Side 2       Sinpoing length (jacket)       20 mm         Carating contract       god plated       General contract       god plated         Family construction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       General contract       God plated         Contraction form       free cable end       God plated       God plated         Contraction form       free cable end       God plated       God plated       God plated         Contraction form       free cable for contract       God for form	Material	PUR
Degree of protection (EN IEC 60529)       IIP85, IP60K, IP67         Side 2       Sifpiping length (jacket)       20 mm         Sociant contact       gold plated       Gold plated         Family construction form       free cable end       Commercial data         Commercial data       27279218       ECLASS-6.0       27279218         ECLASS-7.0       27279218       ECLASS-6.0       27279218         ECLASS-8.0       27279218       ECLASS-6.0       27279218         ECLASS-8.0       27279218       ECLASS-6.0       27060311         ECLASS-10.1       27060311       ECLASS-10.1       ECO01885         cataons tarff number       B6444290       ECO1885       Ecolasse         GTIN       4048979229753       Pachaging unit       1         Electrical data   Supply       Electrical data   Supply       Coperating voltage AC max.       50 V         Operating voltage AC (LL-Isted)       30 V       Corrent operating voltage AC (LL-Isted)       30 V         Operating voltage AC (LL-Isted)       30 V       Coperating voltage AC (LL-Isted)       30 V         Operating voltage AC (LL-Isted)       30 V       Coperating voltage AC (LL-Isted)       30 V         Coperatin	No. of poles	4
Sirkip length (jacket)       20 mm         Coating contact       gold plated         Family construction form       free cable end         Commercial data       E         ECLASS-6.0       27278218         ECLASS-7.0       27278218         ECLASS-7.0       27278218         ECLASS-7.0       27278218         ECLASS-7.0       27278218         ECLASS-7.0       27278218         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-12.0       2706031         ECLASS-12.0       2706031         ETM -5.0       EC001865         customs tatiff number       85444290         GTN       404887928753         Packaging unit       1         Etercial data Suppy          Operating voltage AC max.       60 V         Operating voltage AC max.       60 V         Operating voltage AC max.       60 V         Operating voltage AC (UL-listed)       30 V         Current operating or toot max.       4A         Disponitio          Status indication LED       no         Installotal (Coanction </td <td>Width across flats</td> <td>SW9</td>	Width across flats	SW9
Stripping length (jackel)       20 mm         Coating contact       gold plated         Family construction form       Free cable end         Commercial data       E         ECLASS 6.0       27279216         ECLASS 7.0       27279216         ECLASS 9.0       27279216         ECLASS 9.0       27279216         ECLASS 9.0       27279216         ECLASS 9.0       27060311         ECLASS 9.1.1       27060311         ECLASS 9.2.0       27060311         ECLASS 9.1.1       27060311         ECLASS 9.1.2       27060311         ECLASS 9.1.3       ECO01895         outoms tatiff number       85442690         GTIN       404887829753         Packaging unit       1         Electrical data   Supply       Operating voltage BC max.         Operating voltage BC max.       60 V         Operating voltage BC max.       60 V<	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coating contact       gold plated         Family construction form       free cable end         Commercial data	Side 2	
Family construction form       free cable end         Commercial data	Stripping length (jacket)	20 mm
Commercial data         ECLASS 4.0       27279218         ECLASS 5.0       27279218         ECLASS 5.0       27279218         ECLASS 5.0       27279218         ECLASS 5.0       27060311         ECLASS 5.0       27060311         ECLASS 1.1       27060311         ECLASS 1.2.0       27060311         ECLASS 1.2.0       27060311         ECLASS 1.2.0       27060313         ECLASS 1.2.0       27060314         ECLASS 1.1       27060315         castoms taiff number       85444290         GTN       404879229733         Packaging unit       1         Electrical data ISupply       Electrical data Supply         Operating voltage AC max.       50 V         Operating voltage AC max.       50 V         Operating voltage AC (UL-listed)       30 V         Current operating or contact max.       4 A         Diagnostics       Statis indication LED         Statis indication LED       no         Installation I Connection       Statis indication LED         Device protection I Electrical       screent screened         Additional condition protection degree	Coating contact	gold plated
ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27060311         ECLASS-8.0.0       27060311         ECLASS-10.1       27060311         ECLASS-10.2       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETM-5.0       EC001855         customs tariff number       85444290         GTIN       404879229733         Packaging unit       1         Etercical data   Supply	Family construction form	free cable end
ECLASS 7.0       27278218         ECLASS 8.0       27278218         ECLASS 9.0       27060311         ECLASS 10.1       27060311         ECLASS 11.1       27060311         ECLASS 12.0       2706031         Ectrical data [Supply       20         Operating voltage AC (ML-Istod)       30 V         Current operating voltage AC (ML-Istod)       30 V         Current operating voltage AC (ML-Istod)       30 V         Elstaliatin   Connection	Commercial data	
ECLASS 7.0       27278218         ECLASS 8.0       27278218         ECLASS 9.0       27060311         ECLASS 10.1       27060311         ECLASS 11.1       27060311         ECLASS 12.0       2706031         Ectrical data [Supply       20         Operating voltage AC (ML-Istod)       30 V         Current operating voltage AC (ML-Istod)       30 V         Current operating voltage AC (ML-Istod)       30 V         Elstaliatin   Connection		27279218
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         Castoms taff number       8544290         GTN       4048879229753         Packaging unit       1         Electrical data [Supply       Operating voltage AC max.         Operating voltage AC max.       50 V         Operating voltage AC max.       60 V         Operating voltage DC max.       60 V         Operating voltage AC max.       50 V         Current operating pre contact max.       4 A         Diagnostics       Status indication LED         Stripping length (sacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical       Sereed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1) <t< td=""><td></td><td></td></t<>		
ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETM-5.0       EC001855         customs tailf number       85444290         GTIN       4048879229753         Packaging unit       1         Electrical data   Supply		
ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       EC001855         customs tariff number       85444290         GTIN       4048879229753         Packaging unit       1         Electrical data   Supply       Operating voltage AC max.         Operating voltage AC max.       50 V         Operating voltage AC max.       60 V         Operating voltage AC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Current operating per contact max.         Status indication LED       no         Installation   Connection       Status indication LED         Stripping length (jacket)       20 mm         Mounting set       Ma x 1         Device protection   Electrical       Device protection   Electrical         Additional condition protection degree       3         Rated surge voltage       1,5 kV         Material group (EC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Nickeled       Coating of fitting		
ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         oustoms taiff number       8544290         GTIN       4046879229753         Packaging unit       1         Electrical data   Supply       Operating voltage AC max.         Operating voltage AC (UL-listed)       30 V         Outrient operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       no         Installation   Connection       Strepring length (tacket)         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       1.5 kV         Material group (tEC 60664-1)       1		
ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tarlff number       85444290         GTIN       4048879229753         Packaging unit       1         Electrical data   Supply       Coerating voltage AC max.         Operating voltage AC max.       50 V         Operating voltage AC max.       50 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       no         Installation   Connection       Max 1         Device protection   Electrical       Max 1         Additional condition protection degree       inserted, screwed         Pollutin Degree       3		
ETIM-5.0       EC001865         customs tariff number       85444290         GTIN       404879229753         Packaging unit       1         Etectrical data   Supply          Operating voltage AC max.       50 V         Operating voltage AC max.       60 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage C (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating voltage DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Mounting set       M8 x 1         Device protection   Electrical       M8 x 1         Device protection   Electrical       1         Additional condition protection degree </td <td></td> <td></td>		
customs tariff number       85444290         GTIN       4048879229753         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       50 V         Operating voltage DC max.       60 V         Operating voltage DC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating portuge AC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics          Status indication LED       no         Installation   Connection          Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating of litting       nickel plated         Coating of litting       nickel plated         Coating of litting       nic		
GTIN     4048879229753       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     50 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Outrent operating voltage DC (UL-listed)     30 V       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     M8 x 1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Material group (IEC		
Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     50 V       Operating voltage AC (max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Image: Contact max.       Status indication LED     no       Installation   Connection     Image: Contact max.       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     Image: Contact max.       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Material gaset     FKM       Locking material     Zinc die-casting       Material gaset     FKM       Locking material     Zinc die-casting		
Electrical data   Supply       Operating voltage AC max.     50 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     5       Status indication LED     no       Installation   Connection     50 Vm       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Packaging unit	
Operating voltage AC max.     50 V       Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     5       Status indication LED     no       Installation   Connection     20 mm       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		
Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED       Status indication LED     no       Installation   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating strip ing strip incel plated     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		50 V
Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED     no       Installation   Connection     Stripping length (jacket)     20 mm       Mounting set     M8 x 1     Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating sekt     FKM       Locking material     Zinc die-casting       Material group connection     Zinc die-casting		60 V
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED     no       Installation   Connection     Stripping length (jacket)     20 mm       Mounting set     M8 x 1     Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Material group connection     Zinc die-casting       Material screw connection     Zinc die-casting		30 V
Diagnostics       Status indication LED     no       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting		30 V
Status indication LED     no       Installation   Connection     20 mm       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating got fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting	Current operating per contact max.	4 A
Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     I       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting	Diagnostics	
Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical     Image: Stripping length (jacket)       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Image: Stripping length (jacket)       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting	Status indication LED	no
Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting	Installation   Connection	
Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	·	20
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Image: Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		
Additional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kVMaterial group (IEC 60664-1)IMechanical data   Material dataNickeledCoating lockingNickeledCoating of fittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting data		
Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     I       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	•	
Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		
Material group (IEC 60664-1)     I       Mechanical data   Material data     Image: Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Image: Coating data		
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data		1,5 kV
Coating locking   Nickeled     Coating of fitting   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting		I
Coating of fitting   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting	Mechanical data   Material data	
Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data		Nickeled
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Image: Casting		nickel plated
Material screw connection   Zinc die-casting     Mechanical data   Mounting data	Material gasket	FKM
Mechanical data   Mounting data		
	Material screw connection	Zinc die-casting
Mounting method inserted, screwed, Shaking protection	Mechanical data   Mounting data	
	Mounting method	inserted, screwed, Shaking protection

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: 2024-05-20



Operating temperature min.48 °COperating temperature may68 °CAdditional conduction temperature maydepending on cable qualityImportant Installation noiseProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Note on string radiusProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.CatornityProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision protection of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision protection of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Catalia connectors and any subsci like like.Decision and any subsci like.Decision like	Environmental characteristics   Climatic	
Additional condition temperature range       depending on cable quality         Important installation notes       Instantion of the connection by suitable measures from mechanical loads, e.g. by the usage of cable tes.         Note on stain relief       Protect the connection by suitable measures from mechanical loads, e.g. by the usage of cable tes.         Note on bending radiu       Intention: Observe the purmissible bording radii when laying cables, as the IP protection class can be ending radii.         Conformity       Product standard         Product standard       DNE NN 1076 2-104 (MB)         Installation 1 Cable       Cable identification         Cable identification       231         Cable Type       3         Additional condition       911         Stranding       4 wires twated         wire arrangement       brown, black, blue, while         Cable weight       33 g/m         Material jacket       PUR         Store hardness jacket       PUR         Cuber diameter (standii)       45 %         Cuber diameter (standii)       12 S mm         Cuber diameter (standii)       12 S mm         Cuber diameter (standii)       12 S mm         Cuber diameter (standii)       12 S mm <sup>2</sup> Cuber diameter insulation	Operating temperature min.	-25 °C
Important Installation notes       Protect the connectors by suitable measures from machanical 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 trotes.         Conformity       Product standard         Product standard       DIN EN S1076 2:104 (MS)         Institution ( Cable       231         Cable Type       3         Jacket Color       gray         Type of Confinde       OUFN is         Amount standing       1         Stranding       4 wires Installed         Week arrangement       Down, back, bie, white         Cable Type       23 file         Stranding       9 of 5 Stran A         Freedom from ingredients (lacket)       9 of 5 Stran A         Freedom from ingredients (lacket)       9 of 5 Stran A         Freedom from ingredients (lacket)       9 of 5 Stran A         Conter diameter (webhat)       1 5 Stranding         Anount wes       4         Outer diameter (webhat)       1 5 Stranding         Conter diameter (webhat)       1 5 Stranding         Conter diameter (webhat)       1 5 Stra         Conter diameter (webhat) </td <td>Operating temperature max.</td> <td>85 °C</td>	Operating temperature max.	85 °C
Note on strain relief       Protect the connectors by suitable measures from mechanical loads, a.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending torse.         Contentity       Product standard         Product standard       DNI EN 61076-2-104 (M8)         Distaliation (Cable       Cable form         Cable form       gray         Type of Cafficate       UPRs         Anount stranding       1         Stranding       4 wrees twisted         Were arrangement       brouch, blue, blue, write         Cather form       PG         Material poket       PUR         Stranding       4 wrees twisted         Material poket       PUR         Stranding       4 wrees twisted         Outer diameter (leasth)       25 Shore A         Freeson Trom ingredents (lacket)       Bad free, cadmum-free, CFC free, halogan-free, silcone-free         Outer diameter (leasth)       4 Shore         Outer diameter (instantion       1.25 mm         Outer diameter (instantion <td>Additional condition temperature range</td> <td>depending on cable quality</td>	Additional condition temperature range	depending on cable quality
Note on bending malus       Attention: Observe the permissible banding radie whon laying cables, as the IP protection class can be endangered by excessive banding forces.         Contornity       Product standard       DIN EN 61076-2-104 (M6)         Instaliation ( Cable Cable (Institution)       231         Cable (Institution)       231         Cable (Institution)       3         Joket Cable       Cable (Institution)         Type of Certificate       culRus         Amount stranding       1         Stranding       4 wes twisted         West any generation       Down, black, blae, while         Cable waight       33 g/m         Material jacket       PUR         Stranding       4 west twisted         Binor hardness global       90 ± 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Older endineter (scheth)       4.5 mm         Outer diameter insulation       1.5 %         Shore hardness we insulation       2.5 %         Sho	Important installation notes	
Note the information       endangened by excessive bending forces.         Contormity       endangened by excessive bending forces.         Product standard       DNE N6 1076-2-104 (M8)         Installation ( Gable Cable Type       3         Cable Color       gray         Type of Certificate       cUPus         Amount stranding       1         Stranding       4 wress twisted         Wree arrangement       book, bud, bud, wite         Cable display       33 g/m         Material joket       PUR         Stranding       4 wrees twisted         Outer diamoter (ackot)       4.5 mm         Tereator form ingredenting (ackot)       4.5 mm         Caller diamoter (ackot)       4.5 mm         Caller diamoter (ackot)       1.5 mm         Outer diamoter (ackot)       1.5 mm <th< td=""><td>Note on strain relief</td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.</td></th<>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard       DIN EN 61076-2-104 (M8)         Installication       231         Cable identification       231         Cable Color       gray         Type of Centificatien       CUBus         Amount stranding       1         Stranding       4 wires twisted         wire arrangemont       brown, black, blue, while         Cable vergith       33 grm         Material jacket       PUR         Stranding       4 wires twisted         Wire arrangemont       brown, black, blue, while         Cable vergith       33 grm         Material jacket       PUR         Stron hardnines jackot       0.4 5 Shore A         Freedom from ingredients (gacket)       lead-free, cadrimu-free, CFC-free, halogen-free, silicone-free         Outer diameter (sheatth)       ± 5 %         Material wire insulation       7.0 ± 5 Shore D         Outer diameter tolenance core insulation       7.0 ± 5 Shore D         Ingredient treeness wire insulation       1.25 rm         Conductor crossocolor (wire)       0.25 mr <sup>3</sup> Material donuburding wires       0.1 nm         Conductor crossocolor (wire)       0.25 mr <sup>3</sup> Material donub	Note on bending radius	
Installation (Cable         Cable infinitation       281         Cable Type       3         Cable Type       3         Standard Coor       gray         Type of Certificate       OURus         Amount stranding       1         Stranding       4 wires bristed         wire arrangement       brown, black, blue, while         Cable weigh       33 grin         Material jacket       90 1 5 Shore A         Freedom from ingredents (jacket)       4.5 mm         Tolerance outer diameter (jacket)       4.5 mm         Tolerance outer diameter (jacket)       5.5 %         Outer diameter insulation       PP         Amount strands       4         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.26 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.26 mm         Outer diameter insulation       1.26 mm         Outer diameter insulation       1.0 m         Conductor type (wire)       32 mm         Tornerd transite wire insulation       1.0 m @ 25 % <t< td=""><td>Conformity</td><td></td></t<>	Conformity	
Cable identification231Cable Type3Jacket CofrgrayType of CartificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whileCable weight33 gramMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,5 mmTolerance outer dameter (heath)± 5 %Outer-diameter (jacket)4,5 mmTolerance outer dameter (heath)± 5 %Amount wires4Outer diameter insulationPPAmount wires4Outer diameter insulation125 mmOuter diameter insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Outer diameter orisulation125 %Shore hardness wire insulation126 mmConductor crosses wire insulation128 mmOuter diameter orisulation128 mmConductor visces wire insulation128 mm <sup>2</sup> Diameter or of single wires0,1 mmConductor visces wire insulation22Diameter or single wires0,1 mmConductor visces wire insulation26 % OricovalaNormal voltage AC max.300 VCurrent lad capacity (standard)10 m @ 25 % OricovalaNormal voltage AC insu.300 VCurrent lad capacity (standard) <td>Product standard</td> <td>DIN EN 61076-2-104 (M8)</td>	Product standard	DIN EN 61076-2-104 (M8)
Cable Type       3         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weight       33 g/m         Material jacket       PUR         Shore hardness jacket       90 s 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (silicatit)       4.5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1.25 %         Shore hardness wire insulation       1.25 mm         Outer diameter insulation       1.25 mm         Caduetor crosssection (wire)       0.25 mm²         Cander diameter insulation       1.25 mm         Conductor tries       Stranded copper wire, bare         Conductor tries       Outer diame	Installation   Cable	
Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   4 wires twisted     wire arrangement   brown, black, blue, while     Cable weight   33 g/m     Material jacket   PUR     Stron hardness jackal   90 ± 5 Shore A     Freedom from ingredients (jacket)   4.5 mm     Outer-diameter (jacket)   4.5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount stranding   1.25 mm     Outer diameter (sheath)   ± 5 %     Shore hardness wire insulation   1.25 mm     Outer diameter insulation   70 ± 5 Shore D     Ingredient fereness wire insulation   70 ± 5 Shore D     Ingredient fereness wire insulation   1.25 mm     Conductor rowssection (wire)   0.25 mm²     Materia vome insulation   70 ± 5 Shore D     Ingredient fereness wire insulation   1.25 mm     Conductor rowssection (wire)   0.25 mm²     Diameter of angle wires   0,1 mm     Conductor type (wire)   Strand class 6     Traversing distance (C+rack)   10 m @ 25 °C (I horizontal     Normal voltage (wire - wire)   2,5 kV @ 60 s     Outer diameter (wire)   36 A <td< td=""><td>Cable identification</td><td>231</td></td<>	Cable identification	231
Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         Wire arrangement       brown, black, blue, white         Cable weight       33 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material jacket       PP         Amount wires       4         Outer diameter (sheath)       ± 5 %         Shore hardness wire insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Conduct or grossection (vire)       0.25 mm <sup>2</sup> Diameter of single wires       0.1 mm         Conductor or weire       Stranded copper wire, bare         Conductor or weice       Strand dias 6         Traversing distance (C-rack)       10 m @ 25 °C (I horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN V		
Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         Wire arrangement       brown, black, blue, white         Cable weight       33 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material jacket       PP         Amount wires       4         Outer diameter (sheath)       ± 5 %         Shore hardness wire insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Conduct or grossection (vire)       0.25 mm <sup>2</sup> Diameter of single wires       0.1 mm         Conductor or weire       Stranded copper wire, bare         Conductor or weice       Strand dias 6         Traversing distance (C-rack)       10 m @ 25 °C (I horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN V		grav
Stranding       4 wires twisted         wire arrangement       brown, black, blue, while         Cable weight       33 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       1,25 mm         Conductor crosssection (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor rosssection (wire)       0,25 mm²         Taversing distance (L-track)       10 m @ 25 °C (Invizontal         Norminal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 028e4 </td <td>-</td> <td></td>	-	
wire arrangement       brown, black, blue, while         Cable weight       33 g/m         Material jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer diameter (jacket)       4,5 mm         Tolerance outer diameter (jacket)       4,5 mm         Outer diameter (jacket)       1,5 %         Matorial jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4,5 mm         Outer diameter (jacket)       1,25 mm         Outer diameter insulation       1,25 mm         Outer diameter insulation       1,25 mm         Outer diameter insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       0,25 mm²         Onductor or sossection (wire)       0,2 mm²         Onductor trossection (wire)       0,25 mm²         Onductor trossection (wire)       0,2 mm²         Conductor trossection (wire)       0,2 mm²	Amount stranding	1
Cable weight     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredents (jacket)     1ead-free, cadmum-free, CFC-free, halogen-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter rolerance orer insulation     1.25 mm       Cuter diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor crosssection (wire)     32       Diameter of alige wires     0,1 mm       Conductor vire     Strande copper wire, bare       Conductor wire     Strande copper wire, bare       Conductor wire     3.6 A       Taversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity min. wire     3.6 A       Electrical resistance line constant wire     7.9 C/km @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Man, operating temperature (statc)     -40 °C	Stranding	4 wires twisted
Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredents (jacket)       lead-free, cadmium-free, CFC-free, halogen-free         Outer diameter (jacket)       4.5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %.         Shore hardness wire insulation       1.25 Shore D         Ingredient freeness wire insulation       1.26 free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material onductor wire       Stranded copper wire, bare         Onductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2,5 kV @ 60 s         Power firequency withstand voltage (wire - wire)       2,5 kV @ 60 s         Power finequency withstand voltage (wire - wire) <t< td=""><td>wire arrangement</td><td>brown, black, blue, white</td></t<>	wire arrangement	brown, black, blue, white
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (jacket)5 %Material wire insulationPPAmount wires4Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation70 ± 5 %Shore hardness wire insulation70 ± 5 %Shore hardness wire insulationi 25 %Shore hardness wire insulationi 24 free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor wireStranded copper wire, bareConductor wire <td< td=""><td>Cable weigth</td><td>33 g/m</td></td<>	Cable weigth	33 g/m
Freedom from Ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     ± 5 %       Material wise insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 ± 5 %       Shore hardness wire insulation     16 ± 5 %       Outer diameter tolerance core insulation     16 ± 5 %       Shore hardness wire insulation     16 ± 5 %       Onductor coressection (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - isolat wire)     2,5 k V @ 60 s	Material jacket	PUR
Outer-diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter insulation       70 ± 5 %         Shore hardness wire insulation       70 ± 5 %         Shore hardness wire insulation       70 ± 5 %         Ingredient freeness wire insulation       1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor vire       Stranded copper wire, bare         Conductor vire       Strande copper wire, bare	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     12 5 %       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load cupacity (standard)     to DIN VDE 0298-4       Current load cupacity (standard)     to DIN VDE 0298-4       Current load cupacity (standard)     to DIN VDE 0298-4	Outer-diameter (jacket)	4,5 mm
Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter lolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Cou	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity wink. wire       3,6 A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - injacket)       40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       80 °C / 90 °C @ 100000 h Ope	Material wire insulation	PP
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor cossection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity wire       3,6 A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - lacket)       40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (mi. (dynamic)       -25 °C         Operating temperature mix. (dynamic)       -25 °C         Operating temperature mix. (dynamic)       80 °C / 90 °C @ 10000 h Operation	Amount wires	4
Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor cosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - // ac °C     1.0 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (ixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2 IU L 1581	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - 'acket)2,5 kV @ 60 sPower frequency withstand voltage (wire - 'acket)40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Outer diameter tolerance core insulation	±5%
Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal Voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2,5 KV @ 60 s       Power frequency withstand voltage (wire - wire)     2,5 KV @ 60 s       Power frequency withstand voltage (wire - approximation)     2,5 KV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60322-2 I UL 1581 § 1100 FT2       Chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     Good, app	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - iacket)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)3.6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOut resistanceGood, application-related testingOut resistanceGood, application-related testingOut resistanceGood, application-related t	Amount strands (wire)	32
Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (tixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil r	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 109 I UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 100   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 6032-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood,	Nominal voltage AC max.	300 V
Electrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGoo	Current load capacity min. wire	3,6 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameter		2,5 kV @ 60 s
Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Dil resistance     S × Outer diameter	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance     IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter	Operating temperature min. (dynamic)	-25 °C
chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed)   5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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