

## MQ12 male 90° A-cod. with cable

PVC 3x0.34 bk UL/CSA 5m

Male 90° MQ12, 3-pole with cable sleeves

Further cable lengths on request.

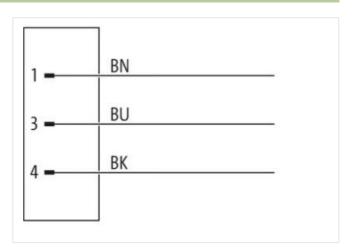
Plastic housings with good resistance against chemicals and oils.

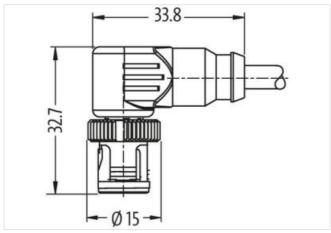
The resistance to aggressive media should be individually tested for your application. Further details on request.

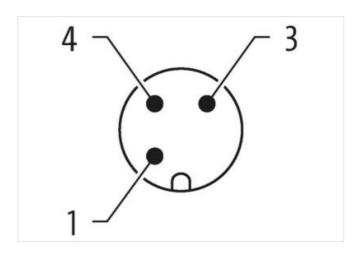
## **Link to Product**

## Illustration









Product may differ from Image

Cable length	5 m
Side 1	
Family construction form	MQ12
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



stay connected

CCLASS 6.0   27779218	Stripping length (jacket)	20 mm
ECLASS-61         22729218           ECLASS-7.0         22729218           ECLASS-9.0         27000311           ECLASS-9.0         27000311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ETM-5.0         EC001855           Caustoms staff number         8544230           GTM         404887107440           Packaging unit         1           ECLISS-12.2.0         250 V           Operating voltage AC max.         250 V           Operating voltage PC max.         250 V           Correcting voltage PC max.         250 V           Variety operating per contact max.         4 A           Institution Degree         3           Pollution Degree         3           Additional condition protection degree         inserted, locked           Pollution Degree         3           Material storew connection         PA           Mechanical data   Mounting data           Mounting method         inserted, screwed           Cooking beningues         bayonet locking           Environmental characteristics   Climate           Operating inergenature max.         45 °C      <	Commercial data	
ECLASS-70         22729218           ECLASS-8.0         2779218           ECLASS-9.0         27069311           ECLASS-10.1         27069311           ECLASS-11.1         27069311           ECLASS-12.0         27069311           ECLASS-12.0         27069311           ECLASS-12.0         27069311           ETIM-5.0         EC001855           customs tarlif number         8544290           GTIM         4048879107440           Packaging unit         1           ELECTICAL data   Supply           Operating vollage AC max.         250 V           Operating vollage DC max.         250 V           Current operating per contact max.         4 A           Installation Connection         20 mm           Stripping length (lickal)         20 mm           Poblishon Degree         3           Additional condition protection degree         3           Publishon Degree         3           Rated surge vollage         2,5 kV           Material screw to protection   Electrical           Material screw to protection   Electrical           Material screw to protect   Electrical           Material screw to protect   Electrical           Material screw to protect	ECLASS-6.0	27279218
ECLASS-8.0   2778/18	ECLASS-6.1	27279218
ECLASS-9.0         27660311           ECLASS-10.1         27660311           ECLASS-11.3         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         40408273107440           clations tall further         8544290           GTIN         4048273107440           Packaging unit         1           Electrical data   Supply           Operating voltage OC max.         250 V           Operating voltage DC max.         250 V           Current operating por contact max.         4 A           More protection   Electrical         4 A           Additional condition protection degree         3           Pullution Degree         3           Rated surge voltage         2,5 kV           Material screw connection         PA           Mechanical data   Material data         Material screw connection           Material screw (Liberature max.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         35 °C           Note on bording radius         Attention: Chesrve the permissible ben	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         E0001855           cautatina traff number         88444200           GTIN         4048879107440           Packaging unit         1           Electrical data [Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Corrent operating per conduct max.         4 A           Installation   Connection         Surppin glength (acker)         20 mm           Device protection   Electrical Residency         20 mm           Additional condition protection degree         3           Read surge voltage         2.5 kV           Material group (EC 58064-1)         II           Mechanical data   Material data           Material group (EC 58064-1)         II           Mechanical data   Mounting data           Mounting method         inserted, solewed           Looking techniques         bayonet-locking           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality <td>ECLASS-8.0</td> <td>27279218</td>	ECLASS-8.0	27279218
ECLASS-11.1   27060311   ECLASS-12.0   27060311   ECLASS-12.0   27060311   ECLASS-12.0   27060311   ECLASS-12.0   27060311   ECLASS-12.0   ECOMBS5   ECLASS-13.0   ECOMBS5   ECLASS-13.0   ECCASS-13.0   ECCASS-13	ECLASS-9.0	27060311
ECLASS-12.0   27680911   ETMAS.0   EC001855   CC001855   CC00185	ECLASS-10.1	27060311
ETIM-5.0 EC001855 customs tariff number 8544290 GTIN 404887107440 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 250 V Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V Operating voltage per contact max. 4 A  Installation   Connection  Stripping length (jacket) 20 mm  Device protection   Electrical Additional condition protection degree inserted, locked Pollution Degree 3  Rated surge voltage AC max. 2.5 kV Material jacket Service connection PA  Mechanical data   Material data Material sorew connection PA  Mechanical data   Munting data Munting method Inserted, screwed Locking techniques bayonat locking  Environmental Characteristics   Climato Operating temperature mix. 85 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature max 4therinal rote of the permissible bonding radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable were arrangement brown, black, blue Cable (emritication Color black Type of Corticate Culture  Daket Color black Amount stranding 1  Fixending Were Installation Views arrangement brown, black, blue Cable (emritication Color black Mere arrangement brown, black, blue Cable (emritication Color black Mere arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Mere arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emritication Color black Were arrangement brown, black, blue Cable (emrit	ECLASS-11.1	27060311
cusioms tariff number 85444290 GTN 4048879107440 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Current operating per contact max. 4 A  Institution   Connection  Stripping longth (jacket) 20 mm  Device protection   Electrical  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage BC max. 25 kW  Material group (IEC 50664-1) II  Mochanical data   Material data  Mounting method inserted, screwed  Locking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Operating temperature remax. 85 °C  Operating temperature remax. 85 °C  Operating temperature remax. 85 °C  Attention condition notes  Note on strain relief 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.  Institution   Cable wire arrangement   Cable wire arrangement   Disack   Disa	ECLASS-12.0	27060311
GTIN 404879107440 Packaging unit 1 Packaging unit 1 Packaging unit 1 Packaging unit 1 Packaging unit 2 Packa	ETIM-5.0	EC001855
Packaging unit   1  Electrical data   Supply	customs tariff number	85444290
Peter   Comment   Commen	GTIN	4048879107440
Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V  Installation   Connection   Stripping length (jacket) 20 mm  Device protection   Electrical   Additional condition protection degree   inserted, locked   Pollution Degree   3   Rated surge voltage   2,5 kV   Material screw connection   PA   Mechanical data   Material data   Munting method   inserted, screwed   Locking techniques   bayonel-locking   Environmental characteristics   Climatic   Operating temperature min25 °C   Operating temperature min25 °C   Operating temperature max. 85 °C   Additional condition temperature range   depending on cable quality   Important installation notes   Note on banding radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Type of Certificate   cURus   Amount stranding   1   Stranding   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable specificate   PVC   Chor of banker   Schore A	Packaging unit	1
Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V  Installation   Connection   Stripping length (jacket) 20 mm  Device protection   Electrical   Additional condition protection degree   inserted, locked   Pollution Degree   3   Rated surge voltage   2,5 kV   Material screw connection   PA   Mechanical data   Material data   Munting method   inserted, screwed   Locking techniques   bayonel-locking   Environmental characteristics   Climatic   Operating temperature min25 °C   Operating temperature min25 °C   Operating temperature max. 85 °C   Additional condition temperature range   depending on cable quality   Important installation notes   Note on banding radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Type of Certificate   cURus   Amount stranding   1   Stranding   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable on length   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable weight   3 wires twisted   Wite arrangement   brown, black, blue   Cable specificate   PVC   Chor of banker   Schore A	Electrical data   Supply	
Operating voltage DC max. 250 V Current operating per contact max. 4 A  Installation   Connection  Stripping length ((acket) 20 mm  Device protection   Electrical  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 2.5 kV  Material group (IEC 60564-1) II  Mechanical data   Material data  Material screw connection PA  Mechanical data   Material data  Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 (able  wire arrangement brown, black, blue  Cable (Geriffication 3 viero, black)  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable arrangement brown, black, blue	Operating voltage AC max	250 V
Current operating per contact max.         4 A           Installation   Connection         Stripping length (jacket)         20 mm           Device protection   Electrical           Additional condition protection degree         inserted, locked           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 50664-1)         II           Mechanical data   Material data         Material screw connection         PA           Mechanical data   Mounting data         Mounting method         inserted, screwed           Looking techniques         bayonet-locking           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Vote 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         Wire arrangement         brown, black, blue           Cable Type         1           Jacket Color		
Installation   Connection   Stripping length (jacket)   20 mm		
Stripping length (jacket) 20 mm  Device protection   Electrical  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 2.5 kV  Material group (IEC 60664-1) II  Mechanical data   Material data  Material screw connection PA  Mechanical data   Mounting data  Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature min25 °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 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  wire arrangement brown, black, blue  Cable identification 613  Cable (Type 1 1  Jacket Color black  Type of Certificate cUPus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34.1 g/m  Material jacket PVC  Shore hardness jacket 1 85 ± 5 Shore A		
Device protection   Electrical		
Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) II  Mechanical data   Material data  Material screw connection PA  Mechanical data   Mounting data  Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain rellef 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  wite arrangement brown, black, blue  Cable Identification 613  Cable Type 1  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Stripping length (jacket)	20 mm
Pollution Degree   3	Device protection   Electrical	
Rated surge voltage 2,5 kV  Material group (IEC 60664-1) II  Mechanical data   Material data  Material screw connection PA  Mechanical data   Mounting data  Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature min25 °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 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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Gable wire arrangement brown, black, blue  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable wight 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Additional condition protection degree	inserted, locked
Material group (IEC 60664-1)         II           Mechanical data   Material data         Material screw connection         PA           Mcchanical data   Mounting data         Mounting method         inserted, screwed           Looking techniques         bayonet-locking           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         Wire arrangement         brown, black, blue           Cable identification         613         613           Cable Type         1         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1         1           Stranding         3 wires twisted           wire arrangement	Pollution Degree	3
Mechanical data   Material data           Material screw connection         PA           Mechanical data   Mounting data           Mounting method         inserted, screwed           Looking techniques         bayonet-locking           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           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         wire arrangement           Early permissible to dentification         613           Cable identification         613           Cable (Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket	Rated surge voltage	2,5 kV
Material screw connection PA  Mechanical data   Mounting data  Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature min25 °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 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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Material group (IEC 60664-1)	II
Mechanical data   Mounting method         inserted, screwed           Looking techniques         bayonet-locking           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         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         wire arrangement           wire arrangement         brown, black, blue           Cable identification         613           Cable (Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Mechanical data   Material data	
Mounting method inserted, screwed  Looking techniques bayonet-locking  Environmental characteristics   Climatic  Operating temperature min25 °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 ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Material screw connection	PA
Environmental characteristics   Climatic	Mechanical data   Mounting data	
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max	Mounting method	inserted, screwed
Operating temperature min.  Operating temperature max.  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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Looking techniques	bayonet-locking
Operating temperature min.  Operating temperature max.  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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Environmental characteristics   Climatic	
Operating temperature max.  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.  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 wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Operating temperature min	-25 °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 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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A		
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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A		
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  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	•	Posted the consideration of table to the consideration of the consideration of table the
Installation   Cable  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket brown bending forces.	Note on Strain relier	
wire arrangement brown, black, blue  Cable identification 613  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Note on bending radius	
Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Installation   Cable	
Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	wire arrangement	brown, black, blue
Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A	Cable identification	613
Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Cable Type	1
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Jacket Color	black
Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Type of Certificate	cURus
wire arrangement brown, black, blue  Cable weigth 34,1 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A	Amount stranding	1
Cable weigth         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A	Stranding	3 wires twisted
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A	wire arrangement	brown, black, blue
Shore hardness jacket 85 ± 5 Shore A	Cable weigth	34,1 g/m
Shore hardness jacket 85 ± 5 Shore A	Material jacket	PVC
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness jacket	85 ± 5 Shore A
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



Outer-diameter (jacket)	4,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 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)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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
Bending radius (dynamic)	10 x Outer diameter