

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

PVC 4x0.34 shielded gy 2m

Male straight – female straight M12 – M12, 4-pole shielded

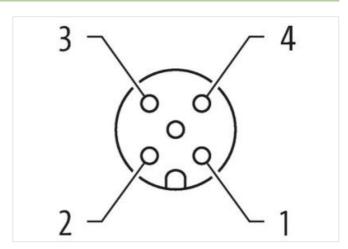
Plastic housings with good resistance against chemicals and oils.

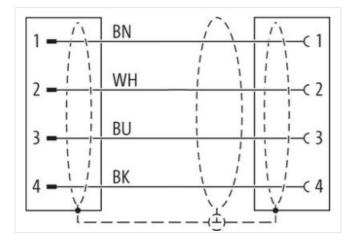
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

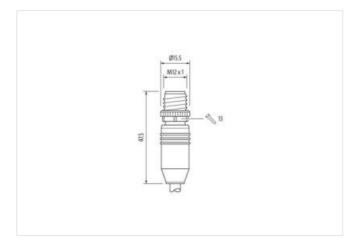
## **Link to Product**

## Illustration



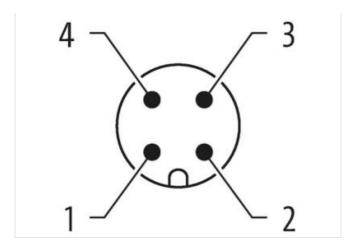


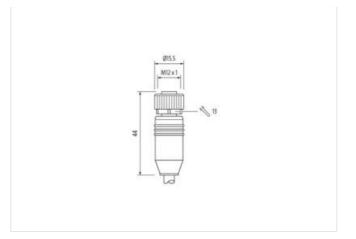






## stay connected





Product may differ from Image











Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879165846
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V



stay connected

Mounting set    Note	Installation   Connection	
Auditional condition protection (green days and an invested, screwed insorted, screwed insorted insort	·	M12 x 1
Additional condition protection degree insured. screwed  Mochanical data   Material data  Coating of Inting nickle plated  Mounting method research of Coating  Professor of Coating  Mounting method research of Coating  Mounting research of Coat		IVII Z X I
Mochanical data   Material data         Nickeled           Consting of Inding         nickel plated           Locking material         Zinc die-cesting           Macterial screw connection         Zinc die cesting           Macterial screw connection in the propertion of the screw die permanential cesting connections in the propertion of the screw die permanential cesting connections by suitable measures from mechanical loads, e.g. by the usage of cable files.           Volue on bending radius         Attention: Conserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forose.           Volue on bending radius         Attention: Conserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forose.           Volue on bending radius         DIN EN 61076-2-101 (M12)           Installation   Cable situation   Cable s	Device protection   Electrical	
Casting locking Nickeled Coating of Itiling nickel plated Coating of Itiling nickel plated Coating of Itiling nickel plated Coating of Itiling Coating Mechanical data   Mounting data Wouthing method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic Coperating temperature man. 26 ° C Coperating temperature man. 26 ° C Additional condition temperature range depending on cable quality Important Institution notes  Who on strain reliable on notes  Additional condition temperature range depending on cable quality Important Institution notes  Who on strain reliable Note on bending radius Afterdian: Cobserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product a standard Discontinuity  Cable identification 330 Subset Color  Gray Annount stranding 1 institution Stranding factor min. 7 4 mm Stranding factor min. 7 4 mm Cobbe indentify (grow) Cobbe indentify (gr	Additional condition protection degree	inserted, screwed
Coating of filting Coding material Coding	Mechanical data   Material data	
Locking material Zinc die-casting Material screw connection Zinc de-casting Material screw connection Journing data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature min. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Moderating temperature range depending on cable quality Important installation notes  Note on strain rotiet 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.  Conformity  Product standard DIN EN 61076-2-101 (M12) Installation (Cable  Cable identification 330 Jacket Clori gray Amount stranding 1 Stranding factor min. 74 mm Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) S59 gm Malerial jacket PVC  Shore hardness jacket PVC  Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free Outer-diameter (jacket) 55 % Material wire insulation 14 mm Outer diameter (sheath) 55 % Material wire insulation 15 % Material wire insulation 16 Med Time 16 Med	Coating locking	Nickeled
Material screw connection Zinc die casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 25 °C Additional condition temperature range depending on cable quality Important installation notes  Note on staria reliel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable Cable identification 330  Salected Color gray Annount stranding 1 Stranding lactor min. 74 mm  Stranding lactor min. 74 mm  Stranding lactor mix. 75 %  Standing lactor mix. 75 %  Stranding lactor mix permissible shielding (coverage) 85 %  Banding Peece, Foil Banding Peece, Cadmum-free, CFC-free Outer-diameter (selectif) 5.5 %  Material jacket 1 5.5 %  Material jacket (selectif) 5.5 %  Store hardness inclust 1 5.5 %  Store hardness wire insulation 1 1.4 mm  Outer diameter tolerance core insulation 1 5.5 %  Store hardness wire insulation 2 90 Conductor - conductor 3 50 V  Max. rated voltage (conductor - conductor 5 50 V  Max. rated voltage (conductor - conductor 5 50 V  Max. rated voltage (conductor - conductor 5 50 V  Max. rated voltage (conductor - conductor 5 50 V  Max. rated voltage (conductor - conductor 5 50 V  Max. rated voltage (conductor - conductor 5 50 V	Coating of fitting	nickel plated
Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C  Morporating 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. A flatention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 330  Jacket Color  Gray  Amount stranding 1 1  Stranding factor min. 74 mm  Stranding factor min. 74 mm  Cable shielding (coverage) 85 %  Banding Piece, Foil Wire arrangement brown, black, blue, white Cable weight Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Amount wire insulation PVC  Amount strand, gacket PVC  Shore hardness wire insulation 1, 4, mm  Couler diameter (sebath) 9.5 °Mm  Tolerance outer diameter (sebath) 9.5 °Km  Shore hardness wire insulation 1, 4, mm  Couler diameter insulation 1, 4, mm  Couler diameter of single wires Conductor roossection (wire) 0, 34 mm²  Makerial conductor view 1, 4, mm  Conductor roossection (wire) 1, 3, 4 mm²  Makerial conductor view 1, 4, 4 mm²  Makerial conductor roorductor or conductor or con	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Chaeve the permissible bending radii when taying cables, as the IP protection class can be enhangered by excessive bending forces.  Conformity  Product standard DIN En 61076-2-101 (M12) Installation   Cable Usable Identification   330 Jacket Color gray Amount stranding 1 Stranding factor max.  74 mm Stranding factor max.  74 mm Stranding factor max.  74 mm Stranding (type) cooper braid, tinned Cable shielding (type) cooper braid, tinned Cable wight Material pinchet Ware arrangement brown, black, blue, white Cable wight Material pinchet Ware arrangement (selectif) 5.9 mm Collectification into microedients (gacket) 5.5 mm Collectification (selectifi) 5.5 %  Shore hardness jacket (selectifi) 2.5 %  Shore hardness wire insulation 1.4 mm Outer diameter (selectif) 2.5 %  Shore hardness wire insulation 1.4 mm Outer diameter (selectifi) 2.5 %  Shore hardness wire insulation 2.5 Shore A  Roundstrain (very) 3.5 Mm Auterial wire insulation 2.5 %  Shore hardness wire insulation 3.5 Shore A  Roundstrain (very) 4.2  Durnet of eningle wires 4.  Outer diameter (selectifi) 2.5 Mm Auterial wire insulation 4.5 Mm Auterial wire insulation 4.4 mm Auterial wire insulation 4.5 Mm Auterial wire insulation 4.4 mm Auterial wire insulation 5.5 Shore A  Branchita (selectifi) 4.5 Mm Auterial wire insulation 5.5 Shore A  Branchita (selectifi) 4.5 Mm Auterial wire insulation 5.5 Shore A  Branchita (selectifi) 4.5 Mm Auterial wire insul	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-101 (M12) Installation   Cable Cable identification 339 Jacket Color gray Amount stranding 1 Stranding factor min. 74 mm Stranding factor min. 74 mm Stranding factor max. 74 mm Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Garding Fiece, Foil wito arrangement brown, black, blue, white Cable wild product standers is given to cuter diameter (seleatin) Material price outer diameter (seleatin) 1,4 mm Culter diameter (jacket) 5,9 mm Coller diameter (jacket) 1,4 mm Culter diameter (jacket) 5,9 mm Coller diameter (jacket) 5,9 mm Coller diameter (jacket) 4 Coller diameter insulation PVC  Amount strandiess picket 5%  Shore hardness jacket 1,4 mm Culter diameter insulation PVC  Amount stranders were insulation 1,4 mm Culter diameter insulation 9,4 mm Culter diameter insulation 9,4 mm Culter diameter insulation 1,4 mm Culter diameter of single wires 0,1 mm Conductor crosssection (wire) 4,2 Diameter of single wires 0,1 mm Conductor crosssection (wire) 5,2 mm Material vire included (conductor - ground) 500 V  Max. rated voltage (conductor - ground) 500 V  Max. rated voltage (conductor - ground) 500 V	Mechanical data   Mounting data	
Operating temperature min. Operating temperature max. 85 °C Operating temperature max. Operating temperature formulation of temperating temperature max. Operating temperature formulation	Mounting method	inserted, screwed, Shaking protection
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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 330  Jackel Color gray  Amount stranding 1  Stranding 14 wires twisted  Stranding factor mix. 74 mm  Stranding factor max. 74 mm  Stranding factor max. 74 mm  Stranding (coverage) 85 %  Banding (coverage) 85 %  Banding (coverage) 85 %  Banding Fiece, Foil  wire arrangement brown, black, blue, white  Cable weight 53.9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from impedients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Outer diameter insulation PVC  Amount wires  Outer diameter insulation 1,4 mm  Outer diameter insulation 85 Shore A  Material wire insulation 94 PVC  Amount wires  Amount stranding 42 PVC  Diameter oil insulation PVC  Amount wires  Outer diameter insulation 94 PVC  Amount wires  Outer diameter insulation 94 PVC  Amount wires  Outer diameter insulation 95 Shore A  If min 1,4 mm  Outer diameter insulation 95 Shore A  Material swire insulation 95 Shore A  If min 1,4 mm  Outer diameter insulation 95 Shore A  Material swire insulation 95 Shore A  Material swire insulation 95 Shore A  Material conductor wire 95 Shore A  Material conductor or researcient (wire) 95 Shore A  Material conductor wire 95 Shore A  Material conductor or researcient (wire) 95 Shore A  Material conductor wire 95 Shore A  Material conductor or yellor yellor wire 195 Shore A  Mat	Environmental characteristics   Climatic	
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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 330  Jackel Color gray  Amount stranding 1  Stranding 14 wires twisted  Stranding factor mix. 74 mm  Stranding factor max. 74 mm  Stranding factor max. 74 mm  Stranding (coverage) 85 %  Banding (coverage) 85 %  Banding (coverage) 85 %  Banding Fiece, Foil  wire arrangement brown, black, blue, white  Cable weight 53.9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from impedients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Outer diameter insulation PVC  Amount wires  Outer diameter insulation 1,4 mm  Outer diameter insulation 85 Shore A  Material wire insulation 94 PVC  Amount wires  Amount stranding 42 PVC  Diameter oil insulation PVC  Amount wires  Outer diameter insulation 94 PVC  Amount wires  Outer diameter insulation 94 PVC  Amount wires  Outer diameter insulation 95 Shore A  If min 1,4 mm  Outer diameter insulation 95 Shore A  Material swire insulation 95 Shore A  If min 1,4 mm  Outer diameter insulation 95 Shore A  Material swire insulation 95 Shore A  Material swire insulation 95 Shore A  Material conductor wire 95 Shore A  Material conductor or researcient (wire) 95 Shore A  Material conductor wire 95 Shore A  Material conductor or researcient (wire) 95 Shore A  Material conductor wire 95 Shore A  Material conductor or yellor yellor wire 195 Shore A  Mat	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.   Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity   Product standard   DIN EN 61076-2-101 (M12)   Installation   Cable   Cable identification   330   Jacket Color   gray   Amount stranding   1   Stranding factor min.   74 mm   Stranding factor min.   74 mm   Stranding factor min.   74 mm   Stranding factor max.   74 mm   Cable shielding (type)   copper braid, tinned   Cable shielding (coverage)   85 %   Banding   Fleece, Foil   Write arrangement   brown, black, blue, white   Cable weight   53,9 g/m   Material jacket   PVC   Shore hardness jacket   85 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free   Outer-diameter (jacket)   5,9 mm   Tolerance outer diameter (sheath)   ± 5 %   Material inview insulation   1,4 mm   Outer diameter folerance core insulation   1,5 %   Shore hardness wire insulation   1,4 mm   Outer diameter of single wires   0,1 mm   Conductor diameter of single wires   0,1 mm   Material conductor ryes cessed inn (wire)   0,34 mm²   Material conductor type (wire)   0,34 mm²   Material conductor vire   0,34 mm²   Material conductor ryes (wire)   0,34 mm²   Material conductor ryes (wire)   0,30 V   Max. rated voltage (conductor - conductor)   500 V	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 330  Jacket Color gray  Amount stranding 1  Stranding 4 wires twisted  Stranding factor min. 74 mm  Stranding factor min. 74 mm  Stranding factor max. 74 mm  Cable shielding (type) copper braid, tinned  Cable shielding (type) copper braid, tinned  Cable shielding (type) province braid to be supposed by the stranding factor max. 74 mm  Stranding Fleece, Foil wire arrangement brown, black, blue, white  Cable weight 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingrecients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (shealth) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter (shealth) 4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 85 Shore A  Ingredient freeness wire insulation 93 4 mm²  Material wire insulation 94 20  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor vire 51 stranded copper wire, bare  Conductor (rosssection (wire) 50 0 V  Max. rated voltage (conductor - conductor) 50 0 V  Max. rated voltage (conductor - conductor) 50 0 V	Additional condition temperature range	depending on cable quality
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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 330  Jacket Color gray  Amount stranding 1  Stranding 4 wires twisted  Stranding factor min. 74 mm  Stranding factor min. 74 mm  Stranding factor max. 74 mm  Cable shielding (type) copper braid, tinned  Cable shielding (type) copper braid, tinned  Cable shielding (type) province braid to be supposed by the stranding factor max. 74 mm  Stranding Fleece, Foil wire arrangement brown, black, blue, white  Cable weight 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingrecients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (shealth) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter (shealth) 4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 85 Shore A  Ingredient freeness wire insulation 93 4 mm²  Material wire insulation 94 20  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor vire 51 stranded copper wire, bare  Conductor (rosssection (wire) 50 0 V  Max. rated voltage (conductor - conductor) 50 0 V  Max. rated voltage (conductor - conductor) 50 0 V	Important installation notes	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 390  Jacket Color gray  Amount stranding 1  Stranding 4 wires twisted  Stranding factor min. 74 mm  Stranding factor min. 74 mm  Stranding (coverage) 85 %  Banding (ptope) copper braid, tinned  Cable shielding (goverage) 85 %  Banding Fiece, Foil wire arrangement brown, black, blue, white  Cable weight 53,9 g/m  Material Jacket PVC  Shore hardness jacket   Bead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 1,5 mm  Tolerance outer diameter (sheath) 2,5 %  Material wire insulation PVC  Amount wires 4  Quiter diameter insulation 1,4 mm  Outer diameter risulation 1,4 mm  Outer diameter roisulation 1,4 mm  Outer diameter roisuness wire insulation 1,4 mm  Outer diameter roisulation	•	Protect the connectors by suitable measures from mechanical leads, a.g. by the usage of cable ties
endangered by excessive bending forces.  Conformity  Product standard   DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification   330  Jacket Color   gray  Amount stranding   1  Stranding   4 wires twisted  Stranding factor min.   74 mm  Stranding factor max.   74 mm  Stranding factor max.   74 mm  Stranding factor max.   74 mm  Cable shielding (coverage)   85 %  Banding   Fleece, Foil   wire arrangement   brown, black, blue, white   Cable shielding (coverage)   53,9 g/m  Material jacket   PVC  Shore hardness jacket   PVC  Shore hardness jacket   85 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free   Outer-diameter (jacket)   5,9 mm  Tolerance outer diameter (sheath)   ± 5 %  Material wire insulation   PVC  Material wire insulation   1,4 mm  Outer diameter tolerance core insulation   ± 5 %  Shore hardness wire insulation   85 Shore A   Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free   Ingredient freeness wire insulation   85 Shore A   Ingredient freeness wire insulation   1,4 mm  Outer diameter folerance or insulation   4 2  Diameter of single wires   0,1 mm  Conductor crosssection (wire)   0,34 mm²  Material conductor wire   Stranded copper wire, bare  Conductor rosssection (wire)   strand class 6  Max. rated voltage (conductor - conductor)   500 V  Max. rated voltage (conductor - conductor)   500 V		
Product standard         DIN EN 61076-2-101 (M12)           Installation I Cable           Cable identification         330           Jacket Color         gray           Amount stranding         1           Stranding factor min.         74 mm           Stranding factor max.         74 mm           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weighth         53,9 g/m           Material jacket         PVC           Shore hardness jacket         85 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 Shore A           Ingredient freeness wire insulation         14 mm           Outer diameter (befare) core insulation         15 %           Shore hardness wire insulation         85 Shore A	Note on bending radius	
Installation   Cable           Cable identification         330           Jacket Color         gray           Amount stranding         1           Stranding factor min.         74 mm           Stranding factor max.         74 mm           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         53,9 g/m           Material jacket         PVC           Shore hardness jacket         85 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         e 5 %           Shore hardness wire insulation         e 5 %           Shore faunduser (single wires         0,1 mm           Outer diameter (tolerance core insulation)         e 5 %           Shore Faunduser (single wire)         0,1 mm	Conformity	
Installation   Cable           Cable identification         330           Jacket Color         gray           Amount stranding         1           Stranding factor min.         74 mm           Stranding factor max.         74 mm           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         53,9 g/m           Material jacket         PVC           Shore hardness jacket         85 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         e 5 %           Shore hardness wire insulation         e 5 %           Shore faunduser (single wires         0,1 mm           Outer diameter (tolerance core insulation)         e 5 %           Shore Faunduser (single wire)         0,1 mm	•	DIN FN 61076-2-101 (M12)
Cable identification         330           Jacket Color         gray           Amount stranding         1           Stranding factor min.         74 mm           Stranding factor max.         74 mm           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         53,9 g/m           Material jacket         PVC           Shore Andress jacket         85 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Material wire insulation         1,4 mm           Outer diameter insulation         1,4 mm		5.11.2.11.01.07.0.2.10.1 (III.12)
Jacket Color         gray           Amount stranding         1           Stranding         4 wires twisted           Stranding factor min.         74 mm           Stranding factor max.         74 mm           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         53,9 g/m           Material jacket         PVC           Shore hardness jacket         85 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Material wire insulation         1,4 mm           Outer diameter insulation         1,4 mm           Outer diameter insulation         ± 5 %           Shore A         1           Ingredient freeness wire insulation         85 Shore A           Ingredient freeness wire insulation         4           Outer diameter insulation         4 for the complete of single wires           Ingredient freeness wire insulation	·	
Amount stranding 1 Stranding 4 wires twisted Stranding factor min. 74 mm Stranding factor max. 74 mm Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material wire, bare Material wire, bare Outer of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor vire Stranded copper wire, bare Conductor type (wire) stranded class 6 Max. rated voltage (conductor - ground) 300 V		
Stranding 4 wires twisted  Stranding factor min. 74 mm  Stranding factor max. 74 mm  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PVC  Amount wires 4  Outer diameter tolerance core insulation 1,4 mm  Outer diameter tolerance core insulation 85 Shore A  Shore hardness wire insulation 1.4 mm  Outer diameter tolerance core insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire  Stranded copper wire, bare  Max. rated voltage (conductor - ground) 300 V  Max. rated voltage (conductor - ground) 300 V		
Stranding factor min. 74 mm  Stranding factor max. 74 mm  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) \$5,9 mm  Tolerance outer diameter (sheath) \$5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter insulation \$5 Shore A  Ingredient freeness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor orosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V		
Stranding factor max. 74 mm  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weight 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,14 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V		
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weight 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V		
Cable shielding (coverage) 85 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter tolerance core insulation 1,4 mm  Outer diameter tolerance core insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	<u> </u>	
Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ground) 300 V	<u> </u>	•••
wire arrangement brown, black, blue, white Cable weigth 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - ground) 300 V		
Cable weight 53,9 g/m  Material jacket PVC  Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation ± 5 %  Shore hardness wire insulation   ± 5 %  Ingredient freeness wire insulation   ± 5 %  Amount strands (wire)   42  Diameter of single wires   0,1 mm  Conductor crosssection (wire)   0,34 mm²  Material conductor wire   Stranded copper wire, bare  Conductor type (wire)   strand class 6  Max. rated voltage (conductor - conductor)   500 V  Max. rated voltage (conductor - ground)   300 V		· · · · · · · · · · · · · · · · · · ·
Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ground) 300 V		
Shore hardness jacket 85 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	<u> </u>	
Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free Outer-diameter (jacket)  S,9 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  4  Outer diameter insulation  1,4 mm  Outer diameter tolerance core insulation  ± 5 %  Shore hardness wire insulation  85 Shore A  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Max. rated voltage (conductor - ground)  300 V		
Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 85 Shore A  Illingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	<u> </u>	
Tolerance outer diameter (sheath) ±5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V		
Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,4 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V		
Amount wires  4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ground) 300 V	<u> </u>	
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V		
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Outer diameter insulation	
Shore hardness wire insulation 85 Shore A  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Outer diameter tolerance core insulation	
Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Shore hardness wire insulation	
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free
Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Conductor crosssection (wire)	0,34 mm²
Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground) 300 V	Conductor type (wire)	strand class 6
	Max. rated voltage (conductor - conductor)	500 V
Current load capacity (standard) to DIN VDE 0298-4	Max. rated voltage (conductor - ground)	300 V
	Current load capacity (standard)	to DIN VDE 0298-4



Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 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)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   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)	15 x Outer diameter