

## M12 female 90° A-cod. with cable LED

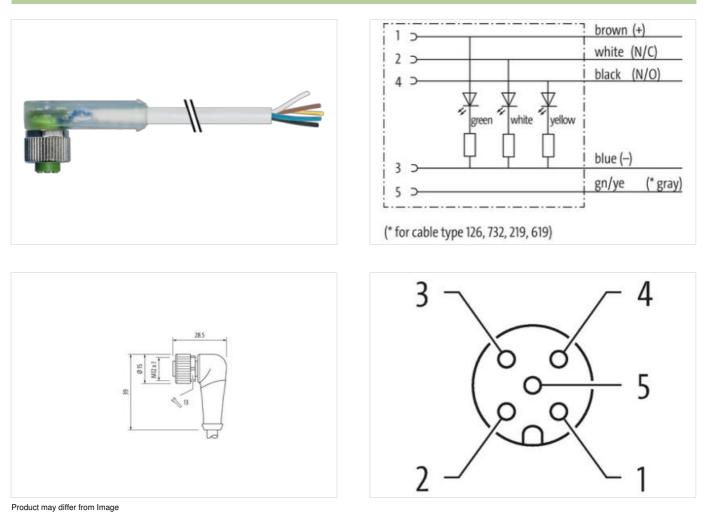
PUR 5x0.34 gy UL/CSA 5m

## **▲ NOTICE ▲** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female 90° M12, 5-pole 3× LED (PNP) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration





The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-04

Murrelektronik Ltd. | 5 Albion Street, Pendlebury Industrial Estate, Swinton | Manchester M27 4FG | Fon +44 161 728 3133 | Fax +44 161 728 3130 | shop@murrelektronik.co.uk | shop.murrelektronik.co.uk



Cable length	5 m
Side 1	
Tightening torque	0.6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879202244
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	<u> </u>
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
, 31	

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: 2024-05-04

Murrelektronik Ltd. | 5 Albion Street, Pendlebury Industrial Estate, Swinton | Manchester M27 4FG | Fon +44 161 728 3133 | Fax +44 161 728 3130 | shop@murrelektronik.co.uk | shop.murrelektronik.co.uk



Note on berding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contornity     DNE N 61076-2-101 (M12)       Cable     DNE N 61076-2-101 (M12)       Cable domification     225       Cable Type     2 (PUR/PCO)       Approval (cable)     UL (XWM-Style 20549/1731), CSA; CE conform       Cable domification     245       Cable domification     64,78 g       Material wire     Cu wire, bare       Resister (core)     max. 57 Ωkm (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (wire dass 6)       Diameter (core)     5. 0.34 mm <sup>2</sup> WRVG     similar to AWG 22       Material wire isolation     PVC       Material visolation     PVC       Color/numbering visolation     43 ± 5 D       Single more force     5. Wite Visolation       Single more force     Single more force, matt filter       Single more force     Single more force, matt filter       Single more force     Single more force, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistent.<	Important installation notes	
Onlocity     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Cable     Endet standard     225       Cable identification     225     Cable       Cable     Endet standard     U. (AWM-Style 20549/1731), CSA; CE conform       Cable weight (g/m)     54,78 g     Converted standard       Carls of Core)     D. In mn     Converted standard       Carls of Core)     0.1 mm     Converted standard       Carls of Core)     50.34 mm²     Converted standard       Dimeter (core)     50.34 mm²     Converted standard       AWG     similar to AWG 22     Converted standard     Converted standard       AWG     Similar to AWG 22     Converted standard     Similar to AWG 22       Converted standard     CPC-C, candmum-, silicone- and lead-free     Converted standard       Store hardness stolation     125 mm ±5%     Converted standard <th>Note on strain relief</th> <th>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.</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 61076-2-101 (M12)       Cable     Cable identification     225       Cable identification     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 205491731), CSA; CE conform       Cable weight (g/m)     54,78 g       Material wire     Curwire, bare       Resistor (core)     max. 57 (Dkm (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     5×.0.34 mm?       Opmeter (core)     5×.0.34 mm?       WRG     similar to AWG 22       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     42 s D 1       Vire Ø incl. isolation     1.25 mm ±5%       Color/mutbreting of wires     br, bk, bl, my, elongitudinally striped       Shreel     no       Material property (jacket)     S5 5 A (PVC-under jacket) is 0.04       Outer-Ø (jacket)     50 mm ±5%       Color/mutbreting of wires     bit 5 A (PVC-under jacket) is 0.04       Material property (jacket)     50 mm ±5%       Color jacket     gray       Color jacket     gray       Color jacket <t< td=""><td>Note on bending radius</td><td></td></t<>	Note on bending radius	
Cable       Cable identification     225       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AVM-Skyle 20549/1731), CSA: CE conform       Cable weight [g/m]     54,78 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 D/km (20 °C)       Single wire 9 (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     5 × 0.34 mm²       AWG     similar to AWG 22       Material wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, any e longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysia and microbal resistant       Shore hardness jacket     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-0 (jacket)     5.0 m ± 5%       Color jacket     gray       C	Conformity	
Cable identification     225       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     54.78 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 D/km (20 °C)       Single wire Ø (core)     0.1 mm (multi-strand wire class 6)       Diameter (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     5 × 0.34 mm²       AWG     similar to AWQ 22       Material wire isolation     PVC       Material wire isolation     CFC , cadmium-, silicone- and lead-free       Shore harchess wire isolation     1.25 mm ±5%       Colorinumbering of wires     br, bk, bl, wn, grve longitudinally striped       Strading combination     5 wires twisted around central filler       Shore harchess gaket     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Colorinumbering advet     80 ± C (PC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant       Shore harchess jacket     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.0	Product standard	DIN EN 61076-2-101 (M12)
Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     54.78 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     5x 0.34 mm²       AWG     similar to AWG 22       Material wire isolation     PVC       Material wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%       Colorinumbering of wires     br, bk, bi, wh. grye longitudinally striped       Shard Ing combination     5 wires twisted around central filler       Shore hardness packet     80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Colorinum-, silcone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial-resistant       Shield     no       Material property (jacket)     5.0 mm ±5%       Color jacket     gray       Color jac	Cable	
Approval (cable)   UL (AWM-Style 20549/1731), CSA; CE conform     Cable weight [g/m]   54,78 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 D/km (20 °C)     Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   5× 0.34 mm²     WAG   similar to AWG 22     Material wire isolation   PVC     Material property wire insulation   CFC, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. Iostation   1.25 mm ±5%     Color/numbering of wires   br, bk, bl, wh, grye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC - halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ±5 A (PUC-under jacket); 85 ±5 A (PUR-Jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     Color jacket   gray     Color jacket   gray	Cable identification	225
Cable weight [g/m]   54,78 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 0/km (20 °C)     Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   5× 0.34 mm <sup>2</sup> WMG   similar to AWG 22     Material invire isolation   PVC     Material property wire insulation   CF-C, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%     Color/numbering of wires   br, bk, bl, wh, gnye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material property (jacket)   CF-C, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shield   no     Material jacket   PUR/PVC     Calor jacket   80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC	Cable Type	2 (PUR/PVC)
Cable weight [g/m]   54,78 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 0/km (20 °C)     Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   5× 0.34 mm <sup>2</sup> WMG   similar to AWG 22     Material invire isolation   PVC     Material property wire insulation   CF-C, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%     Color/numbering of wires   br, bk, bl, wh, gnye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material property (jacket)   CF-C, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shield   no     Material jacket   PUR/PVC     Calor jacket   80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42x.0.1 mm (multi-strand wire class 6)       Diameter (core)     5x.0.34 mm²       AWG     similar to AWG 22       Material wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shied     no       Material jacket     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant       Shore hardness jacket     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Norminal voltage     UL 300 V AC       Current toad capacity     to DIN VDE 0298-4       Temperature range (f	Cable weight [g/m]	
Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   5× 0.34 mm²     AWG   similar to AWG 22     Material wire isolation   PVC     Material wire isolation   CFC, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%     Colorinumbering of wires   br, bl, wh, gnye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material iproperty (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     Chernal resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Current load capacity   to DIN VDE 0298-4     Temperature range (mobile)   -5+80 °C     Eanding radius (fixed)   10× outer Ø     Bending radius (fixed)   10× outer Ø     Bending r	Material wire	Cu wire, bare
Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   5× 0.34 mm²     AWG   similar to AWG 22     Material wire isolation   PVC     Material wire isolation   CFC, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%     Colorinumbering of wires   br, bl, wh, gnye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material iproperty (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     Chernal resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Current load capacity   to DIN VDE 0298-4     Temperature range (mobile)   -5+80 °C     Eanding radius (fixed)   10× outer Ø     Bending radius (fixed)   10× outer Ø     Bending r	Resistor (core)	max. 57 Ω/km (20 °C)
Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     5× 0.34 mm²       AWQ     similar to AWG 22       Material property wire insulation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant       Shore hardness jacket     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistant     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistance     good resistance to il, gasoline and chemicals       Nominal voltage     UL 300 V AC       Current load capacity     to DIN VDE 0298-4 <tr< td=""><td></td><td></td></tr<>		
Diameter (core)   5× 0.34 mm²     AWG   similar to AWG 22     Material wire isolation   PVC     Material property wire insulation   CFC-, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ± 5 D     Wire-Go incl. isolation   1.25 mm ±5%     Color/numbering of wires   br, bk, bl, wh, gnye longitudinally striped     Stranding combination   5 wires twisted around central filler     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gaod resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Current load capacity   to DIN VDE 0298-4     Temperature range (fixed)   -30+80 °C     Bending radius (fixed)   10× outer Ø     Bending ra	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
AWG     similar to AWG 22       Material wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ±5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material jacket     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant       Shore hardness jacket     80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Current load capacity     to DIN VDE 0298-4       Temperature range (mobile)     -3+80 °C       Bending radius (fixed)     10× outer Ø       Bending radius (dynamic)     15. souter Ø       No. of bending cycles (C-track)     max. 2 Mio. (25 °C)       Tawel spe	. ,	5× 0.34 mm <sup>2</sup>
Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ± 5 D       Wire-Ø incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh, gnye longitudinally striped       Stranding combination     5 wires twisted around central filler       Shield     no       Material jacket     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant       Shore hardness jacket     80 ± 5 A (PVC-under jacket), 85 ± 5 A (PUR-jacket)       Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Current load capacity     to DIN VDE 0288-4       Temperature range (mobile)     -5+80 °C       Bending radius (fixed)     10× outer Ø       Bending radius (fixed)     10× outer Ø       No. of bending cycles (C-track)     max. 3.3 m/s	AWG	similar to AWG 22
Shore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNomial voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-5+80 °CBending radius (fixed)10× outer ØBending radius (fixed)10× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Material wire isolation	PVC
Shore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNomial voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-5+80 °CBending radius (fixed)10× outer ØBending radius (fixed)10× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central fillerShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-5+80 °CBending radius (fixed)10× outer ØBending radius (fixed)10× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Shore hardness wire isolation	
Stranding combination   5 wires twisted around central filler     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Current load capacity   to DIN VDE 0298-4     Temperature range (fixed)   -30+80 °C     Temperature range (mobile)   -5+80 °C     Bending radius (fixed)   10× outer Ø     Bending radius (dynamic)   15× outer Ø     No. of bending cycles (C-track)   max. 2 Mio. (25 °C)     Travel speed (C-track)   max. 3.3 m/s	Wire-Ø incl. isolation	1.25 mm ±5%
Stranding combination   5 wires twisted around central filler     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Current load capacity   to DIN VDE 0298-4     Temperature range (fixed)   -30+80 °C     Temperature range (mobile)   -5+80 °C     Bending radius (fixed)   10× outer Ø     Bending radius (dynamic)   15× outer Ø     No. of bending cycles (C-track)   max. 2 Mio. (25 °C)     Travel speed (C-track)   max. 3.3 m/s	Color/numbering of wires	br, bk, bl, wh, anye lonaitudinally striped
ShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	-	
Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shore hardness jacket   80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)     Outer-Ø (jacket)   5.0 mm ±5%     Color jacket   gray     chemical resistance   good resistance to oil, gasoline and chemicals     Nominal voltage   UL 300 V AC     Ceurrent load capacity   to DIN VDE 0298-4     Temperature range (fixed)   -30+80 °C     Bending radius (fixed)   10× outer Ø     Bending radius (dynamic)   15× outer Ø     No. of bending cycles (C-track)   max. 2 Mio. (25 °C)     Travel speed (C-track)   max. 3.3 m/s	Shield	no
Material property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Material jacket	PUR/PVC
Outer-Ø (jacket)5.0 mm ±5%Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Material property (jacket)	
Color jacketgraychemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
chemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Outer-Ø (jacket)	5.0 mm ±5%
Nominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Color jacket	gray
Test voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	chemical resistance	good resistance to oil, gasoline and chemicals
Current load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Nominal voltage	UL 300 V AC
Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Test voltage	2000 V AC
Temperature range (mobile)   -5+80 °C     Bending radius (fixed)   10× outer Ø     Bending radius (dynamic)   15× outer Ø     No. of bending cycles (C-track)   max. 2 Mio. (25 °C)     Travel speed (C-track)   max. 3.3 m/s	Current load capacity	to DIN VDE 0298-4
Temperature range (mobile)   -5+80 °C     Bending radius (fixed)   10× outer Ø     Bending radius (dynamic)   15× outer Ø     No. of bending cycles (C-track)   max. 2 Mio. (25 °C)     Travel speed (C-track)   max. 3.3 m/s	Temperature range (fixed)	-30+80 °C
Bending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Temperature range (mobile)	-5+80 °C
No. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Bending radius (fixed)	10× outer Ø
No. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Bending radius (dynamic)	15× outer Ø
Travel speed (C-track) max. 3.3 m/s	No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
	Travel speed (C-track)	
	Acceleration (C-track)	

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: 2024-05-04

Murrelektronik Ltd. | 5 Albion Street, Pendlebury Industrial Estate, Swinton | Manchester M27 4FG | Fon +44 161 728 3133 | Fax +44 161 728 3130 | shop@murrelektronik.co.uk | shop.murrelektronik.co.uk