

## M12 Power male 0° / female 0° L-cod.

PUR 4x2.5 bk UL/CSA+drag ch. 2.5m

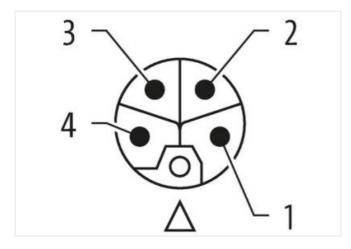
Power Male straight – female straight M12 – M12, 4-pole L-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

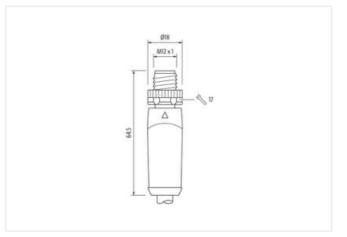
## Link to Product

Illustration



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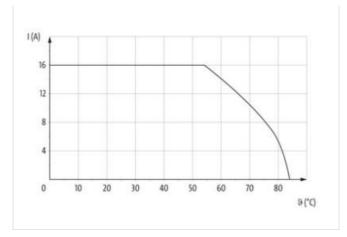


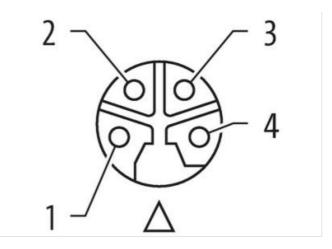


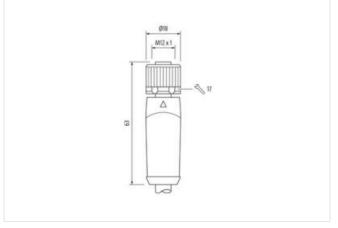
The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-12-30

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## Product may differ from Image



## Form

1 Ulli	
Form	P4141
Technical Data	
Operating voltage	max. 63 V DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 16 A
No. of poles	4
Material group	IEC 60664-1, category I
Coding	L-coded
LED display	no
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal $\emptyset$ )	12 mm
Compression gland	M12 (SW17)
General data	
Standards	IEC 61076-2-111

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Material (contact aurface)     Au       Material (contact aurface)     FXM       Polliuon Degree     3       Temperature range     -25455 °C, depending on cable quality       Cable     Cable       Cable     57455 °C, depending on cable quality       Cable     Cable Type       Cable Might (pm)     201.3 g       Material (winy)     Cu vino bare       Resistor (core)     max. 7.88 (Xm (20 °C)       Single wire 60 (core)     0.15 mm       Damedar (core)     4.2.5 mm²       Aureral (wire isolation)     PP       Material (wire isolation)     PP       Material property (wire isolation)     0.45 cmm       Shore hardness (wire isolation)     0.45 Cmm       Mitered (wire isolation)     0.45 Cmm 45%       Colorumboring of wires     b. b. b. b. wired       Share hardness (wire isolation)     4.9 S mm 45%       Colorumboring of wires     b.7 b.	Mounting method	inserted, tightened
Material (gasket)     FKM       Pollution Dagree     3       Temperature range     25+85 °C, depending on cable quality       Cable     Temperature range       Cable identification     P37       Cable identification     P37       Cable weight (gm]     201.3 g       Material (wrie)     Cu wire, bare       Resistor (core)     max. 7.3 B Okm (20 °C)       Single wire Ø (core)     0.15 mm       Diamotic (core)     4.2.5 mm <sup>2</sup> AVG     similar to AVG 14       Material (wire isolation)     PP       Material property (wire isolation)     60 + 5D       Wire-Ø Inci. isolation     2.85 mm +5%.       Colormumbering of wires     br, bk, bk, mum       Stranding combination     4 wires twisted       Sheid     no       Material property (gacket)     90 ± 5. A       Outer Ø (gacket)     Back       Color igacket     90 ± 5. A       Outer Ø (gacket)     Back       Color igacket     90 ± 5. A       Outer Ø (gacket)     Back       Color igacket     Bane A <t< td=""><td>Material (contact)</td><td>Copper alloy</td></t<>	Material (contact)	Copper alloy
Pailution Degree     3       Temperature range     -25+45 °C, depending on cable quality       Cables     Cables       Cable identification     P37       Cable weight [gm]     201.3 g       Material (wfle)     Cu wire, bare       Resistor (core)     max. 7.88 D&kn (20 °C)       Single wire Ø (core)     0.15 mm       Diameter (core)     4.2.25 mm²       AWG     similar to AWG 14       Material (wire isolation)     PP       Material (wire isolation)     0.5 D       Wre-2 Drei. Isolation     2.85 mm ±5%       Calorhumbering of wires     br. bk, bl, wh, num       Stranding combination     4 wires twisted       Shiel     no       Material property (gaket)     CFC, halogen-, cadmium-, silicone- and lead-free, mati, low-adhesion, machine easy to process, abrasion-resistant, syndroysis and microbial resistant       Shield     no       Outer-0 (gaket)     8.7 mm ±5%       Calor (gaket)     90 ±5.4       Outer-0 (gaket)     8.7 mm ±5%       Calor (gaket)     100 V AC       Test voltage     100.0 V AC       Test voltage	Material (contact surface)	Au
Temperature range     -25485 °C, depending on cable quality       Cable     Cable intervalue       Cable identification     P37       Cable identification     P37       Cable intervalue     3 (PUR)       Cable intervalue     Cable registry       Cable intervalue     Cable registry       Resistor (core)     Cavere, bare       Resistor (core)     4 × 2.5 mm²       Dameter (core)     4 × 2.5 mm²       AWG     similar to AWG 14       Material (wrei location)     PP       Material (wrei location)     60 ± 5 0       Wire O (incl. location)     2.8 mm 25%       Colorizonumbaring of viras     br, bk, bk, wh.       Straiding combination     4 wires twisted       Shield     no       Material (acket)     PUR       Material property (jacket)     67C, halogen, cadmium, silicone- and lead-free, mat, low-adhesion, machine easy to process, abrasion-resistant       Shroe hardness (jacket)     90 ± 5 A       Outer-Ø (jacket)     8.7 mm 15%       Color (jackit)     black       chemal resistance     fiame retardant UL 1581 WH 1 / CAS FT1 / IEC 60332-2-2 </td <td>Material (gasket)</td> <td>FKM</td>	Material (gasket)	FKM
Cables       Cable identification     P37       Cable Type     3 (PUR)       Cable Type     3 (PUR)       Cable identification     201.3 g       Material (wrice)     Cu wric. bare       Resistor (core)     0.15 mm       Diameter (core)     4.25 mm <sup>7</sup> AWG     similiar to AWG 14       Material (wrice isolation)     CFC, halogen, cadmium, silicone- and lead-free       Shore hardness (wrice isolation)     CFC, halogen, cadmium, silicone- and lead-free       Shore hardness (wrice isolation)     CFC, halogen, cadmium, silicone- and lead-free       Shore hardness (wrice isolation)     2.85 mm ±5%.       Colorinmbering of wrices     br. bl. bl. wh. num       Stranding combination     4 wrices twisted       Shied     no       Material (riceket)     CFC, halogen, cadmium, allicone- and lead-free, mail, low-adhesion, machine easy to process, abrasion- tresistant, hydrolysis and microbial resistant       Shied     no       Material property (jacket)     CFC, halogen, cadmium, allicone- and lead-free, mail, low-adhesion, machine easy to process, abrasion- tresistant, hydrolysis and microbial resistant       Shied     no       Color (jacket)     B0 ±5	Pollution Degree	3
Cable identification     P37       Cable Typp     3 (PUR)       Cable Typp     3 (PUR)       Cable wight [gm]     201.3 g       Material (wire)     Cu wire, bare       Resistor (core)     max. 7.38 G/km (20 °C)       Single wire Ø (core)     4.2.5 mm²       Diameter (core)     4.2.5 mm²       AWG     similar to AWG 14       Material (wire isolation)     PP       Atterial property (wire isolation)     60.15 D       Shore hardness (wire isolation)     60.15 D       Wire Ø (not.) isolation     2.85 mm ±5%       Colorinumbering of wires     br. kb, I. wh, num       Stranding combination     4 wires twisted       On     Material (acket)     PUF       Material (acket)     PUF       Shore bardness (jacket)     90.15 Å       Outer Ø (jacket)     8.7 mm ±5%.       Color (gacket)     9.5 Å       Outer Ø (jacket)     8.7 mm ±5%.       Color (gacket)     9.0 Å       Outer Ø (jacket)     9.0 Å       Tear votage     10.00 V AC       Tear votage     10.00 V AC	Temperature range	-25+85 °C, depending on cable quality
Cable Type     8 (PUR)       Cable weight [g/m]     201.3 g       Cable weight [g/m]     Cu wire, bare       Resistor (core)     max. 7.98 Ω/km (20 °C)       Single wire Ø (core)     0.15 mm       Diameter (core)     4. 2.5 mm <sup>9</sup> AWG     similar to AWG 14       Material (wire isolation)     PP       Material property (wire isolation)     G0 45 D       Shore hardness (wire isolation)     60 45 D       Wire-One, lisolation     2.85 mm 25%       Color/numbering of wires     br, bk, bl, wh, num       Stranding combination     4 wires twisted       Shield     no       Material (acket)     PUR       Material (acket)     GFC-, halogen-, cadmium-, silicone- and lead-free, mati, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant       Material (acket)     0.95 A       Color (acket)     8.7 mm 25%       Color (acket)     8.7 mm 25%       Color (acket)     8.7 mm 25%       Color (acket)     9.05 A       Color (acket)     10.04 V       Color (acket)     10.04 V       Color (acket) </td <td>Cables</td> <td></td>	Cables	
Cable wight [g/m]     201.3 g       Material (wire)     Cu wire, bare       Resistor (core)     max. 7.98 O/km (20 °C)       Single wire 30 (core)     0.15 mm       Diameter (core)     4x 2.5 mm <sup>2</sup> AWG     similar to AWG 14       Material (wire isolation)     PP       Material property (wire isolation)     CEC-, halogen-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     60 ± 5 D       Wire-30 incl, lookinin     2.85 mm ±5%       Color/numbering of wires     br, bk, bl, wh, num       Stranding combination     4 wires wisted       Shield     no       Material (gackot)     PUR       Material (gackot)     90 ± 5 A       Outer-0 (gacket)     8.7 mm ±5%       Color (gacket)     90 ± 5 A       Outer-0 (gacket)     8.7 mm ±5%       Color (gacket)     90 ± 5 A       Outer-0 (gacket)     100 kV       Carren tarsistance     good resistance to oil, gasoline and chemicals (EN 60811-404)       therm relardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-8       Nominal voltage     100 kV       Curren toal cap	Cable identification	P37
Material (wire)     Cu wire, bare       Resistor (core)     max. 798 Q/km (20 °C)       Single wire 20 (core)     0.15 mm       Diameter (core)     4x 2.5 mm <sup>2</sup> AVG     similar to AWG 14       Material property (wire isolation)     PP       Material property (wire isolation)     60 ± 5 D       Wire-Ø incl. Isolation     2.85 mm ±5%.       Colorinumbering of wires     br. bk, bl. wh, num       Stranding combination     4 wires twisted       Shide     no       Material property (acket)     PUR       Material (acket)     PUR       Material (acket)     PUR       Material (acket)     PUR       Material (acket)     90 ± 5 A       Outer-Ø (acket)     90 ± 5 A       Outer-Ø (acket)     8.7 mm ±5%.       Color (acket)     8.7 mm ±5%.       Color (acket)     90 ± 5 A       Outer-Ø (acket)     90 ± 5 A       Color (acket)     8.7 mm ±5%.       Color (acket)     10.0 V AC       Test voltage     10.0 V AC       Test voltage     10.0 V AC       <	Cable Type	3 (PUR)
Resistor (core)   max. 7.98 Ω/km (20 °C)     Single wire Ø (core)   0.15 mm     Diameter (core)   4 × 2.5 mm <sup>9</sup> AWG   similar to AWG 14     Material (wire isolation)   PP     Material property (wire isolation)   60 45 D     Shore hardness (wire isolation)   60 45 D     Wire-Ø incl. isolation   2.85 mm ±5%     Color/numbering of wires   br, bk, bj, wh, num     Stranding combination   4 wires twisted     Shield   no     Material (poperty (jacket)   PUR     Material (jacket)   PUR     Material issistant, hydrolysis and microbial resistant   Solow-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant     Shried   no   Material property (jacket)     Goldrigacket)   90 45 A     Outer-Ø (jacket)   8.7 mm ±5%     Octor (jacket)   black     chemical resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to al	Cable weight [g/m]	201,3 g
Single wire Ø (core)     0.15 mm       Diameter (core)     4x 2.5 mm²       AWG     similar to AWG 14       Material (vire isolation)     PP       Material property (wire isolation)     60 45 D       Wire-Ø incl. isolation     2.85 mm ± 5%       Colorinumbering of wires     br, bk, bl, wh, num       Strarding combination     4 wires twisted       Shield     no       Material (riscket)     PUR       Material property (lacket)     0.45 A       Sobre hardness (lacket)     90.45 A       Color (lacket)     8.7 mm ±5%       Color (lacket)     8.7 mm ±5%       Color (lacket)     8.7 mm ±5%       Color (lacket)     9.04 5A       Outer-Ø (lacket)     8.7 mm ±5%       Color (lacket)     10.45 A       Color (lacket)     10.0 kV       Color (lacket)     10.0 kV       Current load capacity     to DII V DE 0289.4 <td< td=""><td>Material (wire)</td><td>Cu wire, bare</td></td<>	Material (wire)	Cu wire, bare
Diameter (core)   4x 2.5 mm²     AWG   similar to AWG 14     Material (wire isolation)   PP     Material property (wire isolation)   60 ±5 D     Wire-0 incl. isolation   2.85 mm ±5%     Color/mubering of wires   br. bk. bl, wh, num     Stranding combination   4 wires twisted     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)   90 ±5 A     Outer-0 (jacket)   8.7 mm ±5%     Color (jacket)   90 ±5 A     Outer-0 (jacket)   8.7 mm ±5%     Color (jacket)   90 ±5 A     Outer-0 (jacket)   8.7 mm ±5%     Color (jacket)   black	Resistor (core)	max. 7.98 Ω/km (20 °C)
AWG     similar to AWG 14       Material property (wire isolation)     PP       Material property (wire isolation)     CFC, halogen-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     60 ±5 D       Wire-O incl. isolation     2.85 mm ±5%       Color/numbering of wires     br, bk, bl, wh, num       Stranding combination     4 wires wisted       Shield     no       Material (jacket)     PUR       Material (jacket)     PUR       Shore hardness (jacket)     90 ±5 A       Color (jacket)     8.7 mm ±5%       Color (jacket)     8.7 mm ±5%       Color (jacket)     Back       Color (jacket)     8.7 mm ±5%       Color (jacket)     black       Color (jacket)     black       Color (jacket)     black       Color (jacket)     1000 VAC       Test voltage     1000 VAC       Current load capacity     to DIN VDE 02	Single wire Ø (core)	0.15 mm
Material property (wire isolation)     PP       Material property (wire isolation)     CFC-, halogen-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     60 ± 5 D       Wire-Ø incl. isolation     2.85 mm ±5%       Color/numbering of wires     br, bk, bl, wh, num       Stranding combination     4 wires twisted       Shield     no       Material (jacket)     PUR       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)     90 ± 5 A       Outer-0 (jacket)     black       Color (jacket)     black       Ober (jacket)     black       Color (jacket)     black       Nominal voltage     1000 V AC       Current load capacity     to DIN VDE 0298-4       Current load capacity     to DIN VDE 0298-4       Temperature range (mobile)     -55 #80 °C, (+90 °C at max. 10 000 operating hours)       Temperature range (mobile)     -55 will °C (at max. 10 000 operating hours)       Temperature range (mobile)     -55 will °C (190 °C at max. 10 000 operating hours)       Temperat	Diameter (core)	4× 2.5 mm <sup>2</sup>
Material property (wire isolation)     CFC-, halogen-, cadmium-, silicone- and lead-free       Shore hardness (wire isolation)     60 ± 5 D       Wire-3 incl. isolation     2.85 mm ±5%.       Color/numbering of wires     br, bk, bl, wh, num       Stranding combination     4 wires twisted       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)     90 ± 5 A       Outer-0 (jacket)     8.7 mm ±5%.       Color (jacket)     black       chemical resistance     good resistance to oil, gasoline and chemicals (EN 60811-404)       thermal resistance     flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2:2       Nominal voltage     1000 V AC       Eest voltage     10.0 kV       Current load capacity     to DIN VDE 0298-4       Temperature range (mobile)     -55+80 °C, (+90 °C at max. 10 000 operating hours)       Temperature range (mobile)     -55+80 °C, (+90 °C at max. 10 000 o	AWG	similar to AWG 14
Shore hardness (wire isolation)   60 ±5 D     Wire-Ø incl. isolation   2.85 mm ±5%     Color/numbering of wires   br, bk, bl, wh, num     Stranding combination   4 wires twisted     Shield   no     Material (jacket)   PUR     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)   90 ±5 A     Outer-Ø (jacket)   8.7 mm ±5%     Color (jacket)   8.7 mm ±5%     Color (jacket)   8.7 mm ±5%     Color (jacket)   100 V AC     Testistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   good resistance to all gasoline and chemicals (EN 60811-404)     thermal resistance   good vac     Test voltage   10.0 kV     Current load capacity   to DIN VDE 0298-4     Temperature range (mobile)   -25	Material (wire isolation)	PP
Wire-Ø incl. isolation   2.85 mm ±5%     Color/numbering of wires   br, bk, bl, wh, num     Stranding combination   4 wires twisted     Shield   no     Material (jacket)   PUR     Material (jacket)   PUR     Material (jacket)   90 ±5 A     Outer-Ø (jacket)   8.7 mm ±5%     Color (jacket)   8.7 mm ±5%     Color (jacket)   black     chemical resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2:2     Nominal voltage   10.0 kV     Current load capacity   to DIN VDE 0298-4     Temperature range (fixed)   -55+80 °C, (+90 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (+90 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (+90 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (+90 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (-100 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (-100 °C at max. 10 000 operating hours)     Temperature range (mobile)   -	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires   br, bk, bl, wh, num     Stranding combination   4 wires twisted     Shield   no     Material (jacket)   PUR     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)   90 ± 5 A     Outer-Ø (jacket)   8.7 mm ±5%     Color (jacket)   8.7 mm ±5%     Color (jacket)   black     chemical resistance   good resistance to oil, gasoline and chemicals (EN 60811-404)     thermal resistance   flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2     Nominal voltage   1000 V AC     Test voltage   1000 V AC     Test voltage   1000 V AC     Temperature range (fixed)   -50+80 °C, (+90 °C at max. 10 000 operating hours)     Temperature range (mobile)   -25+80 °C, (+90 °C at max. 10 000 operating hours)     Bend radius (moving)   10× outer Ø     No. of bending cycles (C-track)   max. 5 Mio. (25 °C)     Torsion sytess   ±180°/m     No. of torsion cycles   max. 5 Mio. (25 °C)     Torsion sytess   ±180°/m     No. of tors	Shore hardness (wire isolation)	60 ±5 D
Stranding combination 4 wires twisted   Shield no   Material (jacket) PUR   Material (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant   Shore hardness (jacket) 90 ±5 A   Outer-Ø (jacket) 8.7 mm ±5%   Color (jacket) black   chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)   thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2   Nominal voltage 1000 V AC   Test voltage 10.0 kV   Current load capacity to DIN VDE 0298-4   Temperature range (fixed) -50+80 °C, (+90 °C at max. 10 000 operating hours)   Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours)   Temperature range (fixed) 7.5× outer Ø   Bend radius (fixed) 7.5× outer Ø   No. of bending cycles (C-track) max. 5 Mio. (25 °C)   Travel speed (C-track) max. 5 Mis <sup>2</sup> Torsion stress ±180°/m   No. of torsion cycles max. 2 Mio. (25 °C)   Torsion stress ±180°/m   Product article number of manufacturer 7000-P4141-P370250	Wire-Ø incl. isolation	2.85 mm ±5%
Shield     no       Material (jacket)     PUR       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)     90 ±5 A       Outer-Ø (jacket)     8.7 mm ±5%       Color (jacket)     8.7 mm ±5%       Color (jacket)     black       chemical resistance     good resistance to oil, gasoline and chemicals (EN 60811-404)       thermal resistance     flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-2-2       Nominal voltage     1000 V AC       Test voltage     10.0 kV       Current load capacity     to DIN VDE 0298-4       Temperature range (fixed)     -50+80 °C, (+90 °C at max. 10 000 operating hours)       Temperature range (mobile)     -25+80 °C, (+90 °C at max. 10 000 operating hours)       Bend radius (fixed)     7.5× outer Ø       No. of bending cycles (C-track)     max. 5 Mio. (25 °C)       Travel speed (C-track)     max. 3 m/s       Acceleration (C-track)     max. 2 Mio. (25 °C)       Torsion stress     ±180°/m       No. of bending cycles     max. 2 Mio. (25 °C)       Torsion stress </td <td>Color/numbering of wires</td> <td>br, bk, bl, wh, num</td>	Color/numbering of wires	br, bk, bl, wh, num
Material (jacket)PURMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ±5 AOuter-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage100.0 kVCurrent bad capacityto DIN VDE 0298-4Temperature range (fixed)-55+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5x outer ØNo. of bending cycles (C-track)max. 3 m/sAcceleration (C-track)max. 3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manulacturer7000-P4141-P370250	Stranding combination	4 wires twisted
Material property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ±5 AOuter-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5x outer ØBend radius (fixed)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 Mis²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Shield	no
Material property (gcket)resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ± 5 AOuter-Ø (jacket)8.7 mm ±5%.Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Noninal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Trases±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Material (jacket)	PUR
Outer-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Material property (jacket)	
Color (jack)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Shore hardness (jacket)	90 ±5 A
chemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Outer-Ø (jacket)	8.7 mm ±5%
thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Color (jacket)	black
Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer700-P4141-P370250	chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Test voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Current load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min	Nominal voltage	1000 V AC
Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Test voltage	10.0 kV
Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Temperature range (fixed)	-50+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
No. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Bend radius (fixed)	7.5× outer Ø
Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Bend radius (moving)	10× outer Ø
Acceleration (C-track) max. 5 m/s <sup>2</sup> Torsion stress ±180°/m   No. of torsion cycles max. 2 Mio. (25 °C)   Torsion speed 35 cycles/min   Product article number of manufacturer 7000-P4141-P370250	No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Torsion stress   ±180°/m     No. of torsion cycles   max. 2 Mio. (25 °C)     Torsion speed   35 cycles/min     Product article number of manufacturer   7000-P4141-P370250	Travel speed (C-track)	max. 3.3 m/s
No. of torsion cycles max. 2 Mio. (25 °C)   Torsion speed 35 cycles/min   Product article number of manufacturer 7000-P4141-P370250	Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Torsion speed 35 cycles/min   Product article number of manufacturer 7000-P4141-P370250	Torsion stress	±180°/m
Product article number of manufacturer 7000-P4141-P370250	No. of torsion cycles	max. 2 Mio. (25 °C)
	Torsion speed	35 cycles/min
Cable length 2,5 m	Product article number of manufacturer	7000-P4141-P370250
	Cable length	2,5 m

The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-12-30