

## Y-Distributor M12 male / M12 female 90° A-cod.

PUR 3x0.34 bk UL/CSA 5m

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

Y-connector M12 - M12, 4/3-pole

Male straight - females 90°

A-coded

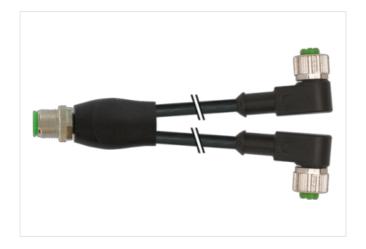
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

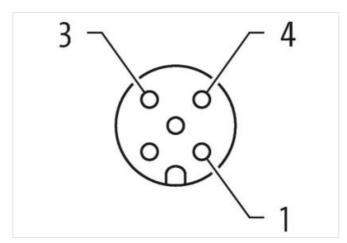
Plastic housings with good resistance against chemicals and oils.

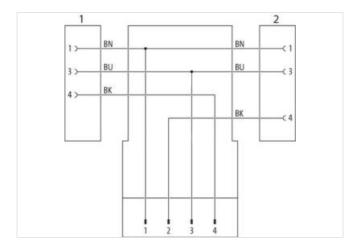
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

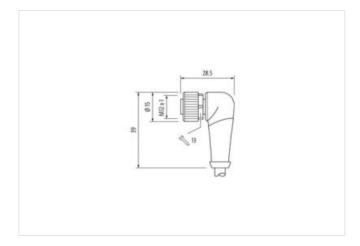
## **Link to Product**

## Illustration



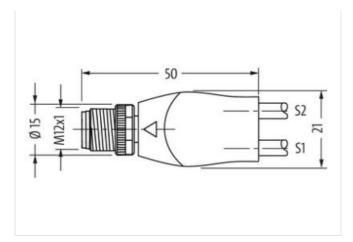


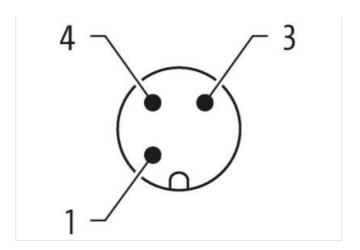






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Product may differ from Image





Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M12
Coding	A
No. of poles	3
Commercial data	



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ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060313
ECLASS-10.1	27060313
ECLASS-11.1	27060313
ECLASS-12.0	27060313
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879156219
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
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
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> 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)
Cable	
Cable identification	623
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g

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: 2024-05-06



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Single wire Ø (core)         0.1 mm           Construction (core)         42 x 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 x 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         black similar to RAL 9005           Stranding combination         3 wires twisted           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)         4.3 mm ±5%           Color jacket         black           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)         -5+80 °C           Bending radius (dynamic)         15x outer Ø <th>Material wire</th> <th>Cu wire, bare</th>	Material wire	Cu wire, bare
Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 3× 0.34 mm²  AWO 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 black similar to RAL 9005  Stranding combination 3 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 80±5 A (PVC-under jacket); 85±5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm±5%  Color jacket black  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  Eending radius (dynamic) 15× outer Ø  Bending radius (dynamic) 15× outer Ø  Bending radius (dynamic) max. 2 Mio. (25 °C)  Travel speed (C-track) max. 33 m/s	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core)         3x 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         black similar to RAL 9005           Stranding combination         3 wires twisted           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)         4.3 mm ±5%           Color jacket         black           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           Bending radius (fixed)         10× outer Ø           Bending radius (fixed)         10× outer Ø           No. of bending cycles (C-track)         max. 2 Mio. (25 °C) <td>Single wire Ø (core)</td> <td>0.1 mm</td>	Single wire Ø (core)	0.1 mm
Material wire isolation PVC  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 black similar to RAL 9005  Stranding combination 3 wires twisted  Shield no  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant property (jacket) A3 mm ±5%  Color jacket B0 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)  Color jacket black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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 (fixed) 15- outer Ø  Bending radius (fixed) 15- outer Ø  No. of bending cycles (C-track) max. 2 Mio. (25 °C)  Travel speed (C-track) max. 3.3 m/s	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
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 black similar to RAL 9005  Stranding combination 3 wires twisted  Sheild 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) 4.3 mm ±5%  Color jacket black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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 (fixed) 15× outer Ø  No. of bending cycles (C-track) max. 3 m/s	Diameter (core)	3× 0.34 mm²
Material property wire insulation  CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation  1.25 mm ±5%  Color/numbering of wires  black similar to RAL 9005  Stranding combination  3 wires twisted  Neterial property (jacket)  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)  4.3 mm ±5%  Color jacket  black  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  Courrent load capacity  to DIN VDE 0298-4  Temperature range (fixed)  3-0+80 °C  Temperature range (mobile)  8-6+80 °C  Bending radius (fixed)  10× outer Ø  Bending radius (fixed)  10× outer Ø  Bending radius (dynamic)  15× outer Ø  No. of bending cycles (C-track)  max. 3 m/s	AWG	similar to AWG 22
Shore hardness wire isolation  43 ± 5 D  Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  black similar to RAL 9005  Stranding combination  3 wires twisted  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)  4.3 mm ±5%  Color jacket  black  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -5+80 °C  Bending radius (fixed)  10× outer Ø  Bending radius (dynamic)  No. of bending cycles (C-track)  max. 2 Mio. (25 °C)  Travel speed (C-track)  max. 3 3 m/s	Material wire isolation	PVC
Wire-Ø incl. isolation  1.25 mm ±5% Color/numbering of wires black similar to RAL 9005 Stranding combination 3 wires twisted  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) 4.3 mm ±5% Color jacket black 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	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires black similar to RAL 9005 Stranding combination 3 wires twisted  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) 4.3 mm ±5%  Color jacket black chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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 (fixed) 15× outer Ø  No. of bending cycles (C-track) max. 2 Mio. (25 °C)  Travel speed (C-track) max. 3.3 m/s	Shore hardness wire isolation	43 ±5 D
Stranding combination 3 wires twisted  Note of the property (facket) 9 UR/PVC  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) 4.3 mm ±5%  Color jacket black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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%
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) 4.3 mm ±5%  Color jacket black chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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	black similar to RAL 9005
Material jacket  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)  4.3 mm ±5%  Color jacket  black  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  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)  No. of bending cycles (C-track)  max. 2 Mio. (25 °C)  Travel speed (C-track)  max. 3.3 m/s	Stranding combination	3 wires twisted
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)  4.3 mm ±5%  Color jacket  black  Chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 V AC  Current load capacity  to DIN VDE 0298-4  Temperature range (fixed)  -5+80 °C  Temperature range (mobile)  5+80 °C  Bending radius (fixed)  10× outer Ø  Bending radius (dynamic)  No. of bending cycles (C-track)  max. 2 Mio. (25 °C)  Travel speed (C-track)  max. 3.3 m/s	Shield	no
resistant, hydrolysis and microbial resistant  Shore hardness jacket  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket)  4.3 mm ±5%  Color jacket  black chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 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	Material jacket	PUR/PVC
Outer-Ø (jacket)  A.3 mm ±5%  Color jacket black chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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	Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Color jacket black Chemical resistance good resistance to oil, gasoline and chemicals Nominal voltage UL 300 V AC Test voltage 2000 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	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 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	Outer-Ø (jacket)	4.3 mm ±5%
Nominal voltage  UL 300 V AC  Test voltage  2000 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 jacket	black
Test voltage 2000 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	chemical resistance	good resistance to oil, gasoline and chemicals
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	Nominal voltage	UL 300 V AC
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	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
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 Ø  No. 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
Travel speed (C-track) max. 3.3 m/s	Bending radius (dynamic)	15x outer Ø
	No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Acceleration (C-track) max. 5 m/s <sup>2</sup>	Travel speed (C-track)	max. 3.3 m/s
	Acceleration (C-track)	max. 5 m/s <sup>2</sup>