

SILVYN®
Conduit, Sleeving & Cable Carrier Systems



SILVYN® Conduit & Connectors **562**

Protective Conduit **564**
Conduit Connectors **572**

SILVYN® Sleeving **580**

SILVYN® Cable Carrier Systems **587**

CONDUIT & CONNECTORS

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Protective Conduit

SILVYN® RILL PA 6 564

Non-Metallic, Flexible, Quick-Connect Conduit System

SILVYN® RILL PA 12 565

Non-Metallic, Highly Flexible, Quick-Connect Conduit System

SILVYN® EL 566

Flexible Reinforced Spiral PVC Conduit

SILVYN® FPS 567

Continuous Flex Spiral Steel-Reinforced PVC Conduit

SILVYN® FD-PU 568

Continuous Flex Spiral Steel-Reinforced PUR Conduit

SILVYN® AS-P 569

Flexible Steel-Reinforced PVC Conduit

SILVYN® AS 570

Flexible Steel-Reinforced Metal Conduit

SILVYN® EDU-AS 571

Flexible Metal Conduit for Heavy Mechanical Stress

Conduit Connectors

SILVYN® KCLICK-G Series 572

Conduit Connectors for SILVYN® RILL PA 6 & PA 12 Conduit

SILVYN® KCLICK 90° Series 573

Conduit Connectors for SILVYN® RILL PA 6 & PA 12 Conduit

SILVYN® MPC 90°/MPC 90° M 574

90° Angle Conduit Connectors for SILVYN® EL Conduit

SILVYN® MPC/MPC-M 575

Straight Conduit Connectors for SILVYN® EL Conduit

SILVYN® LKI/LKI-M 576

Industrial Ethernet Cable for Continuous Flex Applications

SILVYN® BW 576

SILVYN® BW-M 577

SILVYN® USK/USK-M 577

Industrial Ethernet Cable for Stationary Applications

SILVYN® US/US-M 578

Brass Conduit Connectors for SILVYN® AS, AS-P, EDU-AS, FD-PU & FPS Conduit

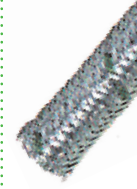
SILVYN® US MS-DR 578

Brass Sealing Ring for SILVYN® AS & EDU-AS Conduit

SILVYN® MSK-M BRUSH 579



Quick Select Chart

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	SILVYN® RILL PA 6	SILVYN® RILL PA 12	SILVYN® EL	SILVYN® FPS	SILVYN® FD-PU	SILVYN® AS-P	SILVYN® AS	SILVYN® EDU-AS
Temperature Range	-40°C to +115°C	-50°C to +100°C	-20°C to +70°C	-20°C to +80°C	-40°C to +80°C	-25°C to +80°C	up to +220°C	up to +220°C
Flexibility	Medium	High	High	Very High	Very High	High	High	High
Cross Pressure Strength	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Tensile Strength	Medium	High	Medium	Medium	Medium	Medium	Medium	High
Bending Radius	Medium	High	High	Very High	Very High	High	Very High	Very High
Oil Resistance	Very High	Very High	Medium	Medium	Very High	Medium	Very High	Very High
Solvent Resistance	Low	Low	Low	Low	Medium	Low	Very High	Very High
Alternate Bending Radius	High	Very High	High	Very High	Very High	Medium	Low	Very High
Flame Resistance	High	High	Low	Low	Medium	High	Very High	Very High

SILVYN® RILL PA 6**Non-Metallic, Flexible, Quick-Connect Conduit System**

SILVYN® RILL PA 6 is a flexible, non-metallic corrugated conduit suitable for use in various industrial applications. It is resistant to liquids, oils, and gases, and highly resistant to acids and solvents. For use in controls, moving machine parts, motor and internal connections, and in industrial, medical, or electronic applications.

Application Advantage

- Halogen-free, flame retardant, and self-extinguishing
- Durable, long-lasting conduit is rugged yet flexible

Approvals**Complete the Installation**

SILVYN®
KLIK-G:
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SILVYN®
KLIK 90°:
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Technical Data**Material:**

Halogen- & silicone-free polyamide

**Color:**

Black (RAL 9005)
Gray (RAL 7001)

**Temperature Range:**

- Short-term:

-40°C to +115°C
up to +150°C

**Approvals:**

V-0 per UL 94

Part Number		Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings		
Black	Gray	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	NPT	Metric
61746935	61746939	0.394	10.0	0.256	6.5	0.512	13.0	164	PG 7	NPT 1/4"	M10 x 1.0
61746945	61746940	0.512	13.0	0.394	10.0	0.787	20.0	164	PG 9	NPT 1/4"	M12 x 1.5
61746955	61746950	0.622	15.8	0.472	12.0	1.378	35.0	164	PG 11	NPT 3/8"	M16 x 1.5
61747015	61747010	0.728	18.5	0.563	14.3	1.575	40.0	164	PG 13	—	—
61746965	61746960	0.835	21.2	0.650	16.5	1.772	45.0	164	PG 16	NPT 1/2"	M20 x 1.5
61746975	61746970	1.122	28.5	0.906	23.0	2.165	55.0	164	PG 21	NPT 3/4"	M25 x 1.5
61746985	61746980	1.358	34.5	1.142	29.0	2.559	65.0	82	PG 29	NPT 1"	M32 x 1.5
61746995	61746990	1.673	42.5	1.417	36.0	3.543	90.0	82	PG 36	NPT 1 1/4"	M40 x 1.5
61747005	61747000	2.146	54.5	1.890	48.0	3.937	100.0	82	PG 48	NPT 1 1/2"	M50 x 1.5

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SILVYN® RILL PA 12

SILVYN® RILL PA 12 is a continuous flex, non-metallic corrugated conduit. It is resistant to liquids, oils, and gas, and highly resistant to acids and solvents. High flexibility makes it an excellent choice for machine and plant construction where frequent flexing and bending is required. It is also for use in controls, moving machine parts, motor and internal connections, and in industrial, medical, or electronic applications.

Application Advantage

- Halogen-free, flame retardant, and self-extinguishing
- Durable, long-lasting conduit is rugged yet flexible



Approvals



Railway:
DB, SNCF

Complete the Installation



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KLICK-G:
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SILVYN®
KLICK 90°:
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Technical Data

 Material:	Halogen- & silicone-free polyamide	 Color:	Black (RAL 9005) Gray (RAL 7001)
 Temperature Range:	-50°C to +100°C	 Approvals:	V-0 per UL 94
- Short-term:	up to +150°C		

Part Number		Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings		
Black	Gray	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	NPT	Metric
61815105	61815100	0.394	10.0	0.256	6.5	0.512	13.0	164	PG 7	NPT 1/4"	M10 x 1.0
61815115	61815110	0.512	13.0	0.394	10.0	0.591	15.0	164	PG 9	NPT 1/4"	M12 x 1.5
61815125	61815120	0.622	15.8	0.472	12.0	0.866	22.0	164	PG 11	NPT 3/8"	M16 x 1.5
61815185	61815180	0.728	18.5	0.563	14.3	1.063	27.0	164	PG 13	—	—
61815135	61815130	0.835	21.2	0.650	16.5	1.378	35.0	164	PG 16	NPT 1/2"	M20 x 1.5
61815145	61815140	1.122	28.5	0.906	23.0	1.772	45.0	164	PG 21	NPT 3/4"	M25 x 1.5
61815155	61815150	1.358	34.5	1.142	29.0	1.969	50.0	82	PG 29	NPT 1"	M32 x 1.5
61815165	61815160	1.673	42.5	1.417	36.0	3.150	80.0	82	PG 36	NPT 1 1/4"	M40 x 1.5
61815175	61815170	2.146	54.5	1.890	48.0	3.937	100.0	82	PG 48	NPT 1 1/2"	M50 x 1.5

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SILVYN® EL**Flexible Reinforced Spiral PVC Conduit**

SILVYN® EL is designed with a flexible PVC casing that has a rigid PVC spiral welded into the conduit, allowing it to be very flexible while maintaining its shape.

Application Advantage

- Smooth inner walls allow cables to be pulled through easily
- Durable, long-lasting conduit is rugged yet flexible

Approvals**Complete the Installation**

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MPC:
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SILVYN®
MPC 90°:
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Technical Data

 Material:	PVC sheath with rigid PVC spiral	 Color:	Gray (RAL 7001) (black available upon request)
 Temperature Range:	-20°C to +70°C		

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	Metric
61747360	0.579	14.7	0.394	10.0	0.787	20.0	98	PG 9	M16 x 1.5
61747370	0.654	16.6	0.472	12.0	0.984	25.0	98	PG 11 / PG 13	M16 / M20 x 1.5
61747380	0.815	20.7	0.630	16.0	1.181	30.0	98	PG 13 / PG 16	M20 x 1.5
61747390	1.091	27.7	0.866	22.0	1.575	40.0	98	PG 29	M25 x 1.5
61747400	1.205	30.6	0.984	25.0	1.772	45.0	98	PG 29	M32 x 1.5
61747410	1.319	33.5	1.102	28.0	1.969	50.0	98	PG 29	M32 x 1.5
61747420	1.614	41.0	1.378	35.0	2.362	60.0	98	PG 36	M40 x 1.5
61747430	1.827	46.4	1.575	40.0	2.756	70.0	98	PG 48	M50 x 1.5
61747440	2.252	57.2	1.969	50.0	3.346	85.0	98	PG 48	M63 x 1.5

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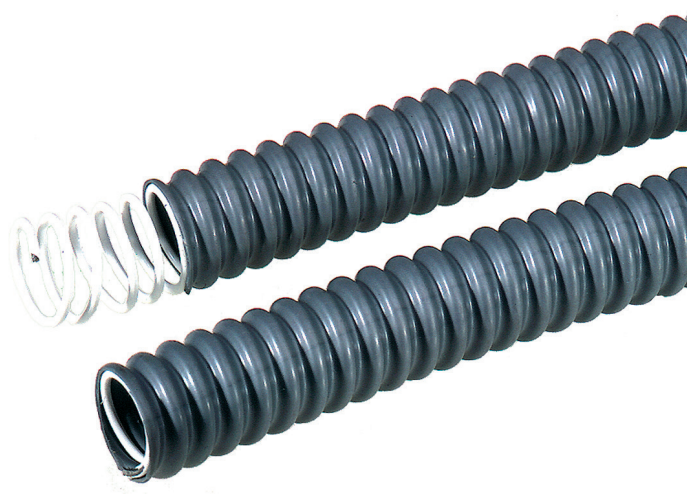
SILVYN® FPS

Continuous Flex Spiral Steel-Reinforced PVC Conduit

SILVYN® FPS is designed with an insulated spiral steel spring with a PVC jacket, which creates a continuous flexing conduit. It is excellent for applications where abrasion resistance is a concern.

Application Advantage

- Durable, long-lasting conduit is rugged yet flexible
- Silicone-free
- UV- and chemical-resistant
- Airtight and watertight



Approvals



Complete the Installation



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USK:
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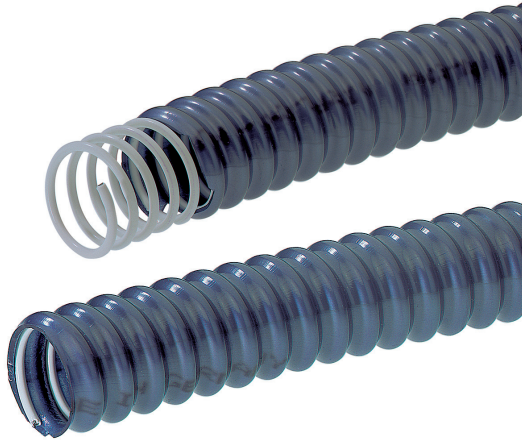
SILVYN®
LKI:
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Technical Data

 Material:	PVC with insulated steel spiral	 Color:	Gray
 Temperature Range:	-20°C to +80°C		

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	PG	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)			Metric: SILVYN® LKI-M	Metric: SILVYN® USK
61711550	0.394	10.0	0.276	7.0	0.315	8.0	82	PG 7	M12 x 1.5	M10 x 1.5
61711590	0.551	14.0	0.394	10.0	0.394	10.0	82	PG 9	M16 x 1.5	M12 x 1.5
61711630	0.669	17.0	0.512	13.0	0.512	13.0	82	PG 11	M20 x 1.5	M16 x 1.5
61711670	0.748	19.0	0.591	15.0	0.591	15.0	82	PG 13	—	—
61711710	0.827	21.0	0.630	16.0	0.669	17.0	82	PG 16	M25 x 1.5	M20 x 1.5
61711750	1.063	27.0	0.866	22.0	0.787	20.0	82	PG 21	M32 x 1.5	M25 x 1.5
61711790	1.417	36.0	1.142	29.0	0.984	25.0	82	PG 29	M40 x 1.5	M32 x 1.5
61711830	1.772	45.0	1.496	38.0	1.417	36.0	82	PG 36	M50 x 1.5	M40 x 1.5
61711910	2.205	56.0	1.890	48.0	1.575	40.0	82	PG 48	M63 x 1.5	M50 x 1.5

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SILVYN® FD-PU**Continuous Flex Spiral Steel-Reinforced PUR Conduit**

SILVYN® FD-PU is designed with a PVC-insulated spiral steel spring and a PUR jacket to provide a durable continuous flexing conduit.

Application Advantage

- Halogen- and cadmium-free, resistant to oils, gases, UV, acids, and alkalis
- Suitable for cleanroom applications: airtight, watertight, and does not outgas
- Highly abrasion-proof
- Suitable for harsh environment applications, as well as automated machines, machine tools, and switchgears due to the protective PUR jacket

Approvals**Complete the Installation**

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SILVYN®
LKI:
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Technical Data

Material: Polyurethane jacket with PVC-insulated spring steel wire spiral

Color: Metallic blue

Temperature Range: -40°C to +80°C

Approvals: V-0 per UL 94

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	PG	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)			Metric: SILVYN® LKI-M	Metric: SILVYN® USK
64453662	0.394	10.0	0.276	7.0	0.315	8.0	164	PG 7	M12 x 1.5	M10 x 1.5
64453672	0.551	14.0	0.394	10.0	0.394	10.0	164	PG 9	M16 x 1.5	M12 x 1.5
64453682	0.669	17.0	0.512	13.0	0.512	13.0	164	PG 11	M20 x 1.5	M16 x 1.5
64453692	0.748	19.0	0.591	15.0	0.591	15.0	164	PG 13	—	—
64453702	0.827	21.0	0.630	16.0	0.669	17.0	164	PG 16	M25 x 1.5	M20 x 1.5
64453712	1.063	27.0	0.827	21.0	0.787	20.0	164	PG 21	M32 x 1.5	M25 x 1.5
64453721	1.417	36.0	1.142	29.0	0.984	25.0	82	PG 29	M40 x 1.5	M32 x 1.5
64453731	1.772	45.0	1.496	38.0	1.417	36.0	82	PG 36	M50 x 1.5	M40 x 1.5
64453751	2.205	56.0	1.890	48.0	1.575	40.0	82	PG 48	M63 x 1.5	M50 x 1.5

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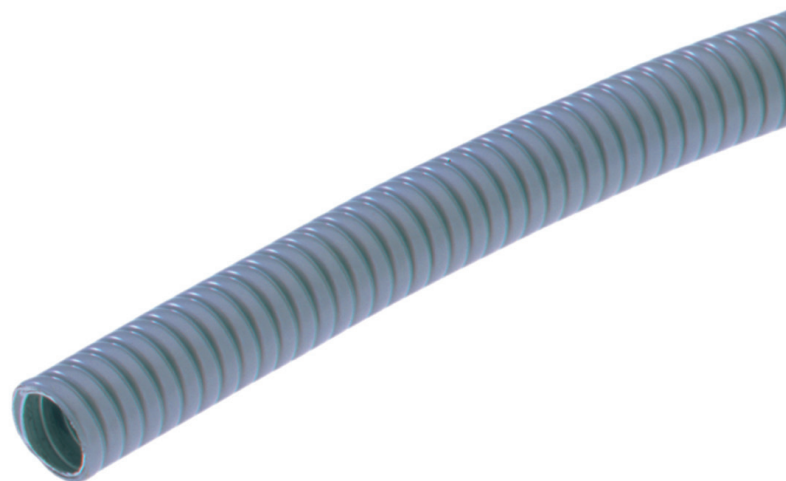
SILVYN® AS-P

Flexible Steel-Reinforced PVC Conduit

SILVYN® AS-P is designed with an interlocking spirally-wound metal armor surrounded with a PVC jacket.

Application Advantage

- Highly resistant to pressure, impact, and mechanical stress while providing superior flexing qualities
- Resistant to water, oil, and acids
- Ideal for use in machine and equipment manufacturing with harsh and/or wet environments



Approvals



Complete the Installation



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SILVYN®
MSK-M BRUSH:
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Technical Data

 Material:	Galvanized steel with a silicone-free PVC spiral	 Color:	Gray
 Temperature Range:	-25°C to +80°C		
- Short-term:	up to +100°C		

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	Metric
64400010	0.394	10.0	0.276	7.0	1.260	32.0	164	PG 7	M10 x 1.5
64400020	0.551	14.0	0.394	10.0	1.575	40.0	164	PG 9	M12 x 1.5
64400030	0.669	17.0	0.512	13.0	1.772	45.0	164	PG 11	M16 x 1.5
64400040	0.748	19.0	0.591	15.0	2.047	52.0	164	PG 13	—
64400050	0.827	21.0	0.669	17.0	2.283	58.0	164	PG 16	M20 x 1.5
64400060	1.063	27.0	0.866	22.0	2.835	72.0	164	PG 21	M25 x 1.5
64400070	1.417	36.0	1.142	29.0	3.858	98.0	82	PG 29	M32 x 1.5
64400080	1.772	45.0	1.496	38.0	4.646	118.0	82	PG 36	M40 x 1.5
64400090	2.205	56.0	1.929	49.0	5.512	140.0	82	PG 48	M50 x 1.5

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SILVYN® AS**Flexible Steel-Reinforced Metal Conduit**

SILVYN® AS is designed with an interlocking spirally-wound metal armor.

Application Advantage

- Highly resistant to pressure, impact, and mechanical stress while providing superior flexing qualities
- Ideal for heavy mechanical stress

Approvals**Complete the Installation**

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US/US-M:
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SILVYN®
US MS-DR:
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SILVYN®
MSK-M BRUSH:
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Technical Data**Material:**

Galvanized steel

**Temperature Range:**

up to +220°C

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	Metric
61802080	0.394	10.0	0.315	8.0	1.102	28.0	164	PG 7	M10 x 1.5
61802090	0.551	14.0	0.433	11.0	1.339	34.0	164	PG 9	M12 x 1.5
61802100	0.669	17.0	0.551	14.0	1.575	40.0	164	PG 11	M16 x 1.5
61802110	0.748	19.0	0.630	16.0	1.772	45.0	164	PG 13	—
61802120	0.827	21.0	0.709	18.0	1.969	50.0	164	PG 16	M20 x 1.5
61802130	1.063	27.0	0.906	23.0	2.480	63.0	164	PG 21	M25 x 1.5
61802140	1.417	36.0	1.220	31.0	3.346	85.0	82	PG 29	M32 x 1.5
61802150	1.772	45.0	1.575	40.0	3.937	100.0	82	PG 36	M40 x 1.5
61802170	2.205	56.0	2.008	51.0	4.921	125.0	82	PG 48	M50 x 1.5

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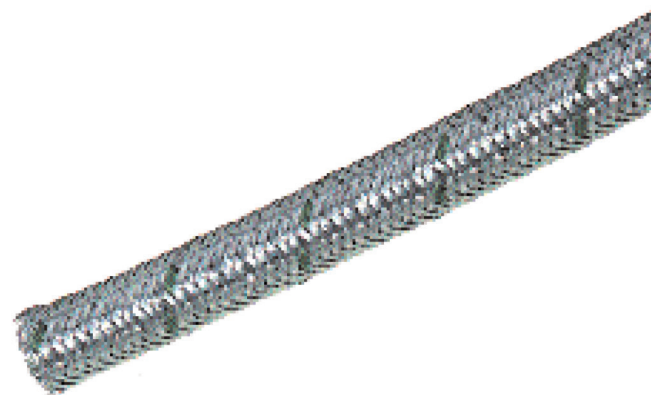
SILVYN® EDU-AS

Flexible Metal Conduit for Heavy Mechanical Stress

SILVYN® EDU-AS is designed with an interlocking spirally-wound metal armor surrounded by a galvanized steel wire braid. SILVYN® EDU-AS is recommended for use with the SILVYN® US brass connector to provide a secure locking system. The SILVYN® US MS-DR is a brass sealing ring, which needs to be used with the SILVYN® AS at temperatures above 100°C.

Application Advantage

- Suitable for use under heavy mechanical stresses per DIN 49012
- High temperature resistance allows for exposure to extreme heat
- High tensile, twisting, and bending strength, while offering high flexibility



Approvals



Complete the Installation



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MSK-M BRUSH:
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Technical Data



Material:

Galvanized steel with a galvanized steel wire braid



Temperature Range:

up to +220°C

Part Number	Outer Diameter		Inner Diameter		Bend Radius		Conduit Coil Put-Ups (ft)	Thread Size for Fittings	
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)		PG	Metric
61802380	0.394	10.0	0.276	7.0	1.102	28.0	164	PG 7	M10 x 1.5
61802390	0.551	14.0	0.394	10.0	1.339	34.0	164	PG 9	M12 x 1.5
61802400	0.669	17.0	0.512	13.0	1.575	40.0	164	PG 11	M16 x 1.5
61802410	0.748	19.0	0.591	15.0	1.772	45.0	164	PG 13	—
61802420	0.827	21.0	0.669	17.0	1.969	50.0	164	PG 16	M20 x 1.5
61802430	1.063	27.0	0.866	22.0	2.480	63.0	164	PG 21	M25 x 1.5
61802440	1.417	36.0	1.142	29.0	3.346	85.0	82	PG 29	M32 x 1.5
61802450	1.772	45.0	1.496	38.0	3.937	100.0	82	PG 36	M40 x 1.5
61802470	2.205	56.0	1.929	49.0	5.315	135.0	82	PG 48	M50 x 1.5

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SILVYN® KCLICK-GN/KCLICK-GP/KCLICK-GM

Conduit Connectors for SILVYN® RILL PA 6 & PA 12 Conduit

SILVYN® KCLICK-G is available with NPT, PG & metric threads. Use this straight conduit gland to create a quick, secure connection with SILVYN® RILL conduit.



■ Approvals



■ Technical Data

Material:	Silicone-free polyamide	Color:	Black or gray
Temperature Range:	-40°C to +115°C	IP Protection:	IP68, IP69K acc. to DIN 40050 T.9

Part Number		Thread Size	Conduit Outer Diameter		Thread Length		Fits SILVYN® RILL PA 6 Conduit		Fits SILVYN® RILL PA 12 Conduit		Standard Pack Size
Black	Gray		(inches)	(mm)	(inches)	(mm)	Black	Gray	Black	Gray	
SILVYN® KCLICK-GN: NPT Threads											
61800705	—	NPT ¼"	0.394	10.0	0.453	11.5	61746935	61746939	61815105	61815100	50
61800715	—	NPT ⅜"	0.512	13.0	0.472	12.0	61746945	61746940	61815115	61815110	50
61800725*	—	NPT ⅝"	0.622	15.8	0.472	12.0	61746955	61746950	61815125	61815120	50
61800745	—	NPT ½"	0.835	21.2	0.512	13.0	61746965	61746960	61815135	61815130	50
61800755*	—	NPT ¾"	1.122	28.5	0.551	14.0	61746975	61746970	61815145	61815140	25
61800765*	—	NPT 1"	1.358	34.5	0.630	16.0	61746985	61746980	61815155	61815150	25
61800775	—	NPT 1¼"	1.673	42.5	0.709	18.0	61746995	61746990	61815165	61815160	25
61800785	—	NPT 2"	2.146	54.5	0.827	21.0	61747005	61747000	61815175	61815170	10
SILVYN® KCLICK-GP: PG Threads											
61800865	61800860	PG 7	0.394	10.0	0.394	10.0	61746935	61746939	61815105	61815100	50
61800875	61800870	PG 9	0.512	13.0	0.394	10.0	61746945	61746940	61815115	61815110	50
61800885	61800880	PG 11	0.622	15.8	0.394	10.0	61746955	61746950	61815125	61815120	50
61800855	61800850	PG 13	0.717	18.2	0.433	11.0	61747015	61747010	61815185	61815180	50
61800895	61800890	PG 16	0.835	21.2	0.472	12.0	61746965	61746960	61815135	61815130	50
61800905	61800900	PG 21	1.122	28.5	0.472	12.0	61746975	61746970	61815145	61815140	25
61800915	61800910	PG 29	1.358	34.5	0.472	12.0	61746985	61746980	61815155	61815150	25
61800925	61800920	PG 36	1.673	42.5	0.472	12.0	61746995	61745990	61815165	61815160	25
61800935	61800930	PG 48	2.146	54.5	0.591	15.0	61747005	61747000	61815175	61815170	10
SILVYN® KCLICK-GM: Metric Threads											
55501005	55501000	M10 x 1.0	0.394	10.0	0.472	12.0	61746935	61746939	61815105	61815100	50
55501015	55501010	M12 x 1.5	0.512	13.0	0.472	12.0	61746945	61746940	61815115	61815110	50
55501025	55501020	M16 x 1.5/1	0.512	13.0	0.472	12.0	61746945	61746940	61815115	61815110	50
55501035	55501030	M16 x 1.5/2	0.622	15.8	0.472	12.0	61746955	61746950	61815125	61815120	50
55501045	55501040	M20 x 1.5/1	0.622	15.8	0.512	13.0	61746950	61746950	61815125	61815120	50
55501055	55501050	M20 x 1.5/2	0.835	21.2	0.512	13.0	61746965	61746960	61815135	61815130	50
55501065	55501060	M25 x 1.5	1.122	28.5	0.512	13.0	61746975	61746970	61815145	61815140	25
55501075	55501070	M32 x 1.5	1.358	34.5	0.591	15.0	61746985	61746980	61815155	61815150	25
55501085	55501080	M40 x 1.5	1.673	42.5	0.591	15.0	61746995	61746990	61815165	61815160	25
55501095	55501090	M50 x 1.5	2.146	54.5	0.602	15.3	61747005	61747000	61815175	61815170	10
55500995	55500990	M63 x 1.5	2.146	54.5	0.629	16.0	61747005	61747000	61815175	61815170	10

* CSA approved

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SILVYN® KCLICK-90°N/KCLICK-90°P/KCLICK-90°M

Conduit Connectors for SILVYN® RILL PA 6 & PA 12 Conduit

SILVYN® KCLICK-90° is available with NPT, PG & metric threads. Use this 90° angled conduit gland to create a quick, secure connection with SILVYN® RILL conduit.



HB Headings

Approvals



Technical Data

Material:	Silicone-free polyamide	Color:	Black or gray
Temperature Range:	-40°C to +115°C	Protection:	IP67, IP69K acc. to DIN 40050 T.9

Part Number		Thread Size	Conduit Outer Diameter		Thread Length		Fits SILVYN® RILL PA 6 Conduit		Fits SILVYN® RILL PA 12 Conduit		Standard Pack Size
Black	Gray		(inches)	(mm)	(inches)	(mm)	Black	Gray	Black	Gray	
SILVYN® KCLICK-90°N: NPT Threads											
61800015	—	NPT ¼"	0.394	10.0	0.394	10.0	61746935	61746939	61815105	61815100	50
61800025	—	NPT ¼"	0.512	13.0	0.414	10.5	61746945	61746940	61815115	61815110	50
61800035*	—	NPT ⅜"	0.622	15.8	0.472	12.0	61746955	61746950	61815125	61815120	50
61800045	—	NPT ½"	0.835	21.2	0.512	13.0	61746965	61746960	61815135	61815130	50
61800055*	—	NPT ¾"	1.122	28.5	0.551	14.0	61746975	61746970	61815145	61815140	25
61800065*	—	NPT 1"	1.358	34.5	0.630	16.0	61746985	61746980	61815155	61815150	10
61800075	—	NPT 1¼"	1.673	42.5	0.709	18.0	61746995	61746990	61815165	61815160	10
61800085	—	NPT 1½"	2.146	54.5	0.709	18.0	61747005	61747000	61815175	61815170	10
SILVYN® KCLICK-90°P: PG Threads											
61801025	61801020	PG 9	0.512	13.0	0.394	10.0	61746945	61746940	61815115	61815110	50
61801035	61801030	PG 11	0.622	15.8	0.394	10.0	61746955	61746950	61815125	61815120	50
56000105	56000100	PG 13	0.728	18.5	0.433	11.0	61747015	61747010	61815185	61815180	50
61801045	61801040	PG 16	0.835	21.2	0.472	12.0	61746965	61746960	61815135	61815130	50
61801055	61801050	PG 21	1.122	28.5	0.472	12.0	61746975	61746970	61815145	61815140	25
61801065	61801060	PG 29	1.358	34.5	0.472	12.0	61746985	61746980	61815155	61815150	10
61801075	61801061	PG 36	1.673	42.5	0.551	14.0	61746995	61746990	61747085	61714200	10
61801085	61801062	PG 48	2.146	54.5	0.551	14.0	61747005	61747000	61747095	61714210	5
SILVYN® KCLICK-90°M: Metric Threads											
55501115	55501110	M10 x 1.0	0.394	10.0	0.472	12.0	61746935	61746939	61815105	61815100	50
55501125	55501120	M12 x 1.5	0.512	13.0	0.472	12.0	61746945	61746940	61815115	61815110	50
55501145	55501140	M16 x 1.5	0.622	15.8	0.472	12.0	61746955	61746950	61815125	61815120	50
55501165	55501160	M20 x 1.5	0.835	21.2	0.512	13.0	61746965	61746960	61815135	61815130	50
55501185	55501180	M25 x 1.5	1.122	28.5	0.512	13.0	61746975	61746970	61815145	61815140	25
55501205	55501200	M32 x 1.5	1.358	34.5	0.591	15.0	61746985	61746980	61815155	61815150	10
55501225	55501220	M40 x 1.5	1.673	42.5	0.591	15.0	61746995	61746990	61815165	61815160	10
55501245	55501240	M50 x 1.5	2.146	54.5	0.630	16.0	61747005	61747000	61815175	61815170	5
55501255	55501250	M63 x 1.5	2.146	54.5	0.630	16.0	61747005	61747000	61815175	61815170	5

* CSA approved

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SILVYN® MPC 90°/MPC 90° M**90° Angle Conduit Connectors for SILVYN® EL Conduit**

SILVYN® MPC is an angle connector designed especially for the SILVYN® EL conduit to create a tight, secure seal. SILVYN® MPC is available in PG and metric threads.

■ Approvals**■ Technical Data**

Material:	Halogen-free polyamide 66	Color:	Black (RAL 9005) or gray (RAL 7001)
Temperature Range:	-50°C to +135°C	IP Protection:	IP65

Part Number		Thread Size	Conduit Diameter (Inner x Outer)		SILVYN® EL Conduit	Standard Pack Size
Black	Gray		(inches)	(mm)		
SILVYN® MPC 90°: PG Threads						
55502486	55502370	PG 11	0.472 x 0.654	12 x 16.6	61747370	10
55502487	55502371	PG 13	0.472 x 0.654	12 x 16.6	61747370	10
55502488	55502372	PG 16	0.630 x 0.815	16 x 20.7	61747380	10
55502489	55502373	PG 21	0.866 x 1.091	22 x 27.7	61747390	10
55502490	55502374	PG 29	1.102 x 1.319	28 x 33.5	61747410	10
55502493	55502375	PG 36	1.378 x 1.614	35 x 41.0	61747420	2
SILVYN® MPC 90° M: Metric Threads						
55502480	55502458	M16 x 1.5	0.472 x 0.654	12 x 16.6	51747370	10
55502481	55502459	M20 x 1.5/1	0.472 x 0.654	12 x 16.6	61747370	10
55502482	55502366	M20 x 1.5/2	0.630 x 0.815	16 x 20.7	61747380	10
55502483	55502367	M25 x 1.5	0.866 x 1.091	22 x 27.7	61747390	10
55502484	55502368	M32 x 1.5	1.102 x 1.319	28 x 33.5	61747410	10
55502485	55502369	M40 x 1.5	1.378 x 1.614	35 x 41.0	61747420	2

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SILVYN® MPC/MPC-M

Straight Conduit Connectors for SILVYN® EL Conduit

SILVYN® MPC is a straight conduit connector especially designed for use with the SILVYN® EL conduit to create a tight and secure seal. SILVYN® MPC is available in PG and metric threads.



Approvals



Technical Data

 Material:	Halogen-free polyamide 66	 Color:	Black (RAL 9005) or gray (RAL 7001)
 Temperature Range:	-50°C to +135°C	 IP Protection:	IP65

Part Number		Thread Size	Conduit Diameter (Inner x Outer)		SILVYN® EL Conduit	Standard Pack Size
Black	Gray		(inches)	(mm)		
SILVYN® MPC: PG Threads						
55502470	55502496	PG 9	0.394 x 0.579	10 x 14.7	61747360	10
55502471	55502497	PG 11	0.472 x 0.654	12 x 16.6	61747370	10
55502472	55502498	PG 13/1	0.472 x 0.654	12 x 16.6	61747370	10
55502494	55502499	PG 13/2	0.630 x 0.815	16 x 20.7	61747380	10
55502473	55502451	PG 16	0.630 x 0.815	16 x 20.7	61747380	10
55502474	55502452	PG 21	0.866 x 1.091	22 x 27.7	61747390	10
55502476	55502453	PG 29/1	0.984 x 1.205	25 x 30.6	61747400	10
55502495	55502454	PG 29/2	1.102 x 1.319	28 x 33.5	61747410	10
55502477	55502455	PG 36	1.378 x 1.614	35 x 41.0	61747420	2
55502478	55502456	PG 42	1.575 x 1.827	40 x 46.4	61747430	2
55502479	55502457	PG 48	1.969 x 2.252	50 x 57.2	61747440	2
SILVYN® MPC-M: Metric Threads						
55502460	55502441	M16 x 1.5/1	0.394 x 0.579	10 x 14.7	61747360	10
55502461	55502442	M16 x 1.5/2	0.472 x 0.654	12 x 16.6	61747370	10
55502462	55502443	M20 x 1.5/1	0.472 x 0.654	12 x 16.6	61747370	10
55502463	55502444	M20 x 1.5/2	0.630 x 0.815	16 x 20.7	61747380	10
55502464	55502445	M25 x 1.5	0.866 x 1.091	22 x 27.7	61747390	10
55502465	55502446	M32 x 1.5/1	0.984 x 1.205	25 x 30.6	61747400	10
55502469	55502447	M32 x 1.5/2	1.102 x 1.319	28 x 33.5	61747410	10
55502466	55502448	M40 x 1.5	1.378 x 1.614	35 x 41.0	61747420	2
55502467	55502449	M50 x 1.5	1.575 x 1.827	40 x 46.4	61747430	2
55502468	55502439	M63 x 1.5	1.969 x 2.252	50 x 57.2	61747440	1

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SILVYN® LKI/LKI-M

Conduit Connectors for SILVYN® FD-PU & SILVYN® FPS Conduit



SILVYN® LKI is a swivel connector designed to allow the conduit to rotate freely without damage to the conduit or the connection. It is tension and vibration resistant, providing a high quality connection between the protective conduit and the machine. SILVYN® LKI is for use with SILVYN® FPS and FD-PU conduits.

Approvals

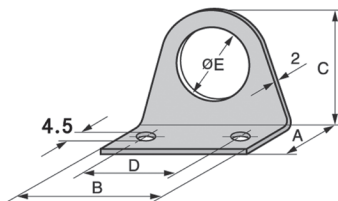
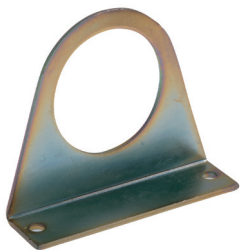


Technical Data

Material:	Polypropylene	Color:	Gray
Locknuts:	SKINTOP® GMP-GL, page 544	IP Protection:	IP54
Temperature Range:	-10°C to +110°C		

Part Number	Thread Size	Conduit Outer Diameter		Thread Length		SILVYN® FPS Conduit	SILVYN® FD-PU Conduit	Standard Pack Size
		(inches)	(mm)	(inches)	(mm)			
SILVYN® LKI: PG Threads								
55000000	PG 7	0.394	10.0	0.394	10.0	61711550	64453662	50
55000010	PG 9	0.551	14.0	0.394	10.0	61711590	64453672	50
55000020	PG 11	0.669	17.0	0.394	10.0	61711630	64453682	50
55000030	PG 13	0.748	19.0	0.394	10.0	61711670	64453692	50
55000040	PG 16	0.827	21.0	0.433	11.0	61711710	64453702	50
55000050	PG 21	1.063	27.0	0.433	11.0	61711750	64453712	25
55000060	PG 29	1.417	36.0	0.472	12.0	61711790	64453721	25
55000070	PG 36	1.772	45.0	0.472	12.0	61711830	64453731	25
55000090	PG 48	2.205	56.0	0.591	15.0	61711910	64453751	10
SILVYN® LKI-M: Metric Threads								
55501400	M12 x 1.5	0.394	10.0	0.394	10.0	61711550	64453612	50
55501410	M16 x 1.5	0.551	14.0	0.394	10.0	61711590	64453672	50
55501420	M20 x 1.5	0.669	17.0	0.394	10.0	61711630	64453682	50
55501430	M25 x 1.5	0.827	21.0	0.433	11.0	61711710	64453702	50
55501440	M32 x 1.5	1.063	27.0	0.472	12.0	61711750	64453712	25
55501450	M40 x 1.5	1.417	36.0	0.472	12.0	61711790	64453721	25
55501460	M50 x 1.5	1.772	45.0	0.472	12.0	61711830	64453731	25
55501470	M63 x 1.5	2.205	56.0	0.591	15.0	61711910	64453751	10

SILVYN® BW



All dimensions are in mm.

SILVYN® BW is a special mounting bracket to be used with a SILVYN® LKI connector to provide the proper sealing protection.

Technical Data

Material:	Passivated stainless steel
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Part Number	Thread Size	A		B		C		D		ØE		Standard Pack Size
		(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	
SILVYN® BW: PG Brackets												
55000540	PG 16	0.79	20.0	1.97	50.0	1.50	38.0	1.58	40.0	0.91	23.0	25
55000550	PG 21	0.79	20.0	2.36	60.0	1.85	47.0	1.97	50.0	1.14	29.0	25
55000560	PG 29	0.79	20.0	2.76	70.0	2.24	57.0	2.36	60.0	1.48	37.5	25
55000570	PG 36	0.79	20.0	3.15	80.0	2.64	67.0	2.76	70.0	1.87	47.5	25

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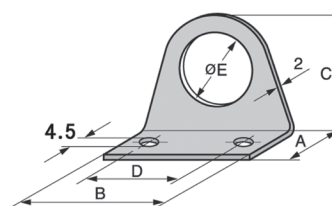
For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

SILVYN® BW-M

SILVYN® BW-M is a special mounting bracket to be used with a SILVYN® LKI connector to provide the proper sealing protection.

Technical Data

 **Material:** Passivated stainless steel



All dimensions are in mm.

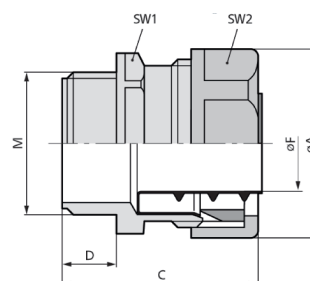


Part Number	Thread Size	A		B		C		D		øE		Standard Pack Size
		(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	
SILVYN® BW-M: Metric Brackets												
55000531	M16 x 1.5	0.79	20.0	1.97	50.0	1.30	33.2	1.58	40.0	0.67	17.0	25
55000541	M20 x 1.5	0.79	20.0	1.97	50.0	1.50	38.0	1.58	40.0	0.83	21.0	25
55000551	M25 x 1.5	0.79	20.0	2.36	60.0	1.85	46.9	1.97	50.0	1.02	26.0	25
55000561	M32 x 1.5	0.79	20.0	2.76	70.0	2.24	56.9	2.36	60.0	1.30	33.0	25
55000571	M40 x 1.5	0.79	20.0	3.15	80.0	2.64	67.0	2.76	70.0	1.61	41.0	25
55000572	M50 x 1.5	0.79	20.0	3.54	90.0	3.08	78.4	3.15	80.0	2.01	51.0	25

SILVYN® USK/USK-M

Conduit Connectors for SILVYN® FD-PU & SILVYN® FPS Conduit

The SILVYN® USK is specially designed to lock in the conduit and prevent pullout and twists that can be encountered during continuous flexing applications. It is tension and vibration resistant, providing a high quality connection between the protective conduit and the machine. SILVYN® USK is for use with SILVYN® FPS and FD-PU conduits.



Approvals



Technical Data

 Material:	Polypropylene	 Temperature Range:	-10°C to +110°C
 Locknuts:	SKINTOP® GMP-GL, page 544	 Color:	Gray
		 IP Protection:	IP54

Part Number	Thread Size	Conduit Outer Diameter		Thread Length		SILVYN® FPS Conduit	SILVYN® FD-PU Conduit	Standard Pack Size
		(inches)	(mm)	(inches)	(mm)			
SILVYN® USK: PG Threads								
52005810	PG 7	0.394	10.0	0.394	10.0	61711550	64453662	50
52005820	PG 9	0.551	14.0	0.394	10.0	61711590	64453672	50
52005830	PG 11	0.669	17.0	0.394	10.0	61711630	64453682	50
52005840	PG 13	0.748	19.0	0.394	10.0	61711670	64453692	50
52005850	PG 16	0.827	21.0	0.433	11.0	61711710	64453702	50
52005860	PG 21	1.063	27.0	0.433	11.0	61711750	64453712	25
52005870	PG 29	1.417	36.0	0.472	12.0	61711790	64453721	25
52005880	PG 36	1.772	45.0	0.472	12.0	61711830	64453731	25
52005900	PG 48	2.205	56.0	0.591	15.0	61711910	64453751	10
SILVYN® USK-M: Metric Threads								
55501300	M10 x 1.5	0.394	10.0	0.394	10.0	61711550	64453662	50
55501310	M12 x 1.5	0.551	14.0	0.472	12.0	61711590	64453672	50
55501320	M16 x 1.5	0.669	17.0	0.472	12.0	61711630	64453682	50
55501330	M20 x 1.5	0.827	21.0	0.512	13.0	61711710	64453702	50
55501340	M25 x 1.5	1.063	27.0	0.512	13.0	61711750	64453712	25
55501350	M32 x 1.5	1.417	36.0	0.591	15.0	61711790	64453721	25
55501360	M40 x 1.5	1.772	45.0	0.591	15.0	61711830	64453731	25
55501370	M50 x 1.5	2.205	56.0	0.630	16.0	61711910	64453751	10

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SILVYN® US/US-M

Brass Conduit Connectors for SILVYN® AS, AS-P, EDU-AS, FD-PU & FPS Conduit



Approvals



SILVYN® US is a high-quality brass conduit connector designed to ensure a vibration- and tension-resistant connection for applications with high mechanical stress. The inner sealing is made of TPE to create a durable and high-temperature seal. The SILVYN® US MS-DR brass sealing ring should be used in place of the TPE sealing ring when SILVYN® AS & EDU-AS are being used in applications with temperatures above 100°C.

Technical Data

Material:

- Body & cap nut: Nickel-plated brass
- Inner sleeve: Nickel-plated brass
- AS: Brass
- AS-P & EDU-AS: Plastic
- FD-PU & FPS: TPE
- Sealing ring: TPE

Temperature Range:

- AS, AS-P & EDU-AS: -40°C to +125°C
- with MS-DR sealing ring: -40°C to +250°C
- FD-PU & FPS: -10°C to +110°C

IP Protection:

- AS & EDU-AS: IP40
- AS-P: IP66
- FD-PU & FPS: IP54

Locknuts:

SKINTOP® SM, page 545

Nickel-Plated Brass (AS)	Part Numbers Brass (AS-P & EDU-AS)	Plastic (FD-PU & FPS)	Thread Size	Conduit Outer Diameter		Wrench Size		Thread Length		Standard Pack Size
				(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	
SILVYN® US: PG Threads										
61795086	61795085	61U00100	PG 7	0.394	10.0	0.591-0.669	15.0-17.0	0.276	7.0	50
61795096	61795095	61U00101	PG 9	0.551	14.0	0.748-0.827	19.0-21.0	0.276	7.0	50
61795106	61795105	61U00102	PG 11	0.669	17.0	0.906-0.984	23.0-25.0	0.276	7.0	50
61795116	61795115	61U00103	PG 13	0.748	19.0	0.984-1.063	25.0-27.0	0.276	7.0	50
61795126	61795125	61U00104	PG 16	0.827	21.0	1.063-1.142	27.0-29.0	0.276	7.0	50
61795136	61795135	61U00105	PG 21	1.063	27.0	1.339-1.417	34.0-36.0	0.394	10.0	25
61795146	61795145	61U00106	PG 29	1.417	36.0	1.693-1.772	43.0-45.0	0.394	10.0	25
61795156	61795155	61U00107	PG 36	1.772	45.0	2.047-2.126	52.0-54.0	0.394	10.0	20
61795176	61795175	61U00108	PG 48	2.205	56.0	2.480-2.598	63.0-66.0	0.394	10.0	10
SILVYN® US-M: Metric Threads										
61806086	61796085	61U00109	M10 x 1.0	0.394	10.0	0.591-0.669	15.0-17.0	0.394	10.0	50
61806096	61796095	61U00110	M12 x 1.5	0.551	14.0	0.748-0.827	19.0-21.0	0.394	10.0	50
61807106	61797105	61U00111	M16 x 1.5	0.669	17.0	0.906-0.984	23.0-25.0	0.394	10.0	50
61807126	61797125	61U00112	M20 x 1.5	0.827	21.0	1.063-1.142	27.0-29.0	0.394	10.0	50
61807136	61797135	61U00113	M25 x 1.5	1.063	27.0	1.339-1.417	34.0-36.0	0.433	11.0	25
61807146	61797145	61U00114	M32 x 1.5	1.417	36.0	1.693-1.772	43.0-45.0	0.512	13.0	25
61807156	61797155	61U00115	M40 x 1.5	1.772	45.0	2.047-2.126	52.0-54.0	0.512	13.0	20
61807176	61797175	61U00116	M50 x 1.5	2.205	56.0	2.480-2.598	63.0-66.0	0.551	14.0	10

SILVYN® US MS-DR



The SILVYN® US MS-DR brass sealing ring is designed for use with SILVYN® US connectors and SILVYN® AS or EDU-AS conduit at temperatures above 100°C. This ensures proper grounding as well as equalization when using metal conduit.

Technical Data

Material:

Brass

Temperature Range:

-40°C to +250°C

Part Number	Thread Size		Standard Pack Size	Part Number	Thread Size		Standard Pack Size
	PG	Metric			PG	Metric	
61808168	PG 7	M10 x 1.0	50	61808200	PG 21	M25 x 1.5	25
61808169	PG 9	M12 x 1.5	50	61808201	PG 29	M32 x 1.5	25
61808170	PG 11	M16 x 1.5	50	61808202	PG 36	M40 x 1.5	20
61808180	PG 13	—	50	61808204	PG 48	M50 x 1.5	10
61808190	PG 16	M20 x 1.5	50				

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For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

SILVYN® MSK-M BRUSH

The SILVYN® MSK-M BRUSH is a combination grounding connector and conduit strain relief. It is most commonly used in EMC-sensitive environments.

Approvals



Technical Data

**Material:**

- Body: Nickel-plated brass
- Connector seal: CR/NBR
- Sealing ring: TPE
- EMC brush: Brass

**Temperature Range:**

-30°C to +100°C

**IP Protection:**

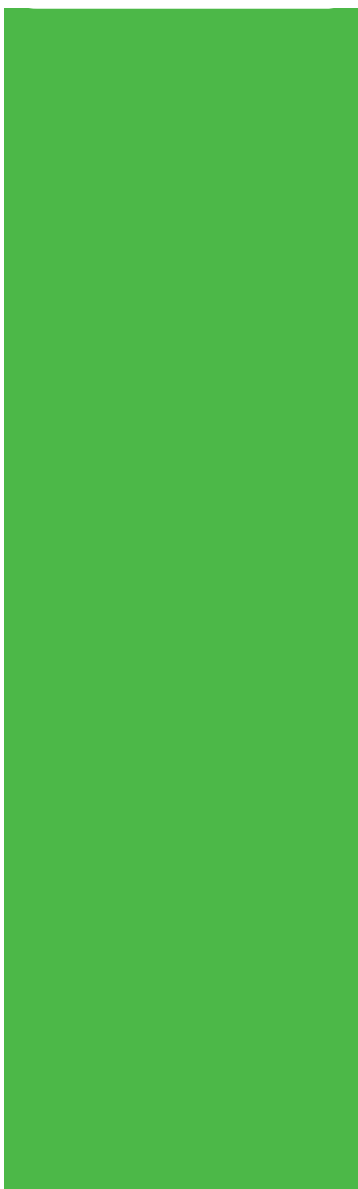
- Cable: IP68
- AS & EDU-AS: IP40
- FPS, FD-PU & AS-P: IP65

Part Number	Suitable Conduit	Standard Pack Size	Part Number	Suitable Conduit	Standard Pack Size
SILVYN® MSK-M for SILVYN® AS			SILVYN® MSK-M for SILVYN® EDU-AS & AS-P		
55506020	AS 16	10	55506025	EDU-AS, AS-P 16	10
55506021	AS 21	1	55506026	EDU-AS, AS-P 21	1
55506022	AS 29	1	55506027	EDU-AS, AS-P 29	1
55506023	AS 36	1	55506028	EDU-AS, AS-P 36	1
55506024	AS 48	1	55506029	EDU-AS, AS-P 48	1

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For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

SLEEVING

SILVYN® ZT Flexible Vinyl Zipper-Style Tubing; Protective High-Strength Cable Management Wireway	581
SILVYN® O WRAP Polyester Protective Split Wrap; Flexible & Tough for Bundling	582
SILVYN® CC/CC FR Non-Fraying Expandable PET Sleeving	583
SILVYN® PET/PET FR Economical General Purpose PET Sleeving	584
SILVYN® WRAP/WRAP FR PET Sleeve with Velcro for Easy Access & Installation	585
SILVYN® SW/SW FR Semi-Rigid PET Sleeve with Split Wrap for Easy Installation	586
Cutting Tools Serrated Edge Scissors; Bench-Mounted Hot Knife	586



SILVYN® ZT

Flexible Vinyl Zipper-Style Tubing; Protective High-Strength Cable Management Wireway

SILVYN® ZT is a high-performance, heavy duty wireway that routes and bundles cable assemblies and wire harnesses while protecting against rugged environments. The zipper feature allows this product to be installed after the wire or cable is installed.

Performance Characteristics

- Tough, flexible vinyl-coated polyester outer jacket
- Easy-to-use sliding closure track
- Provides added protection against harsh environments
- Can be re-entered and expanded up to 15% of the original size

Application Advantage

- Provides protection in environments where cables are exposed to abrasion, rock impact, and wear and tear
- Eliminates exposed wiring
- Zipper feature allows for cable expansion if additional cable routing is required
- Installable after wiring harnesses and cable assemblies are fixed within the equipment



Approvals



Performance Properties

Property	Rating
Flexibility	Good
Solvent Resistance	Good
Tear Strength	Good

Technical Data

 Material:	Vinyl-coated polyester	 Color:	Black
 Temperature Range:	-40°C to +82°C (-40°F to +116°F)		

Part Number	Reference	Diameter		Standard Put-up
		(inches)	(mm)	Spools (ft)
SILVYN® ZT				
61U80090	ZH 1 BK S	1.00	25.4	25
61U80091	ZH 1½ BK S	1.50	38.1	25
61U80092	XH 2 BK S	2.00	50.8	25
61U80093	ZH 2½ BK S	2.50	63.5	25
61U80094	ZH 3 BK S	3.00	76.2	25
SILVYN® ZT Slider Tool				
61U80095*				

* Slider tool is required for use with SILVYN® ZT.
Additional sizes are available upon request.

SILVYN® O WRAP

Polyester Protective Split Wrap; Flexible & Tough for Bundling



SILVYN® O WRAP is a tough, flexible, lightweight split wrap used to bundle and protect wire harnesses and cable assemblies. It is used in industrial machinery, robotics, and factory automation systems.

Approvals



Performance Properties

Property	Rating
Low-temperature Flexibility	-70°C (-94°F)
Corrosion Resistance	Non-corrosive
Flammability Rating	UL 224

Performance Characteristics

- Easily applied with a self-wrapping overlap
- Self-wrapping design with 45° to 135° overlap
- Outstanding protection from chafing, cutting, and abrasion
- Unaffected by exposure to fuels, oils, lubricants, and salt water
- Rugged yet smooth fabric texture and appearance

Application Advantage

- Easy installation and removal for assembly and maintenance
- Organizes and bundles wires on plant site to improve work safety
- Resists mechanical damages in industrial environments, ensuring no machine or system downtime
- Superior protection for use in harsh environments, resistant against oils, lubricants, moisture, dirt, and abrasion

Technical Data

 Material:	Polyethylene terephthalate (PET) filaments	 Melting Temperature:	250°C (482°F)
 Temperature Range:	-75°C to +125°C (-103°F to +257°F)	 Color:	Black
		 Approvals:	UL CSA

Part Number	Reference	Diameter		Standard Put-up
		(inches)	(mm)	Spools (ft)
SILVYN® O WRAP				
61U80086	O WRAP ½ BK S	0.50	12.7	164
61U80087	O WRAP ¾ BK S	0.75	19.1	82
61U80088	O WRAP 1 BK S	1.00	25.4	82
61U80089	O WRAP 1½ BK S	1.50	38.1	49

Additional sizes and colors are available upon request.

SILVYN® CC/CC FR

Non-Fraying Expandable PET Sleeving

SILVYN® CC is a high-density braid that is used in industrial wire and harness applications and is excellent in bundling and routing wires where durability is crucial. SILVYN® CC FR is a flame-retardant version, designed to quickly self-extinguish and minimize the spread of flame.

Performance Characteristics

- High-density braid does not fray when cut and expands without unraveling
- Resistant to oil, chemicals, and abrasion
- Increased braid density for fuller coverage



Application Advantage

- Hot knife is not required for cutting, improving safety
- Virtually frayless when cut with a hot knife
- Denser coverage provides for increased protection of substrates for increased product life

Approvals



Technical Data

Material:	Polyethylene terephthalate (PET) filaments	Color:	- SILVYN® CC: BK: Black GY: Gray - SILVYN® CC FR: BK: Black WH: White
Temperature Range:	-75°C to +125°C (-103°F to +257°F)	Approvals:	UL CSA
Melting Temperature:	- SILVYN® CC: 230°C (446°F) - SILVYN® CC FR: 250°C (482°F)	Attributes:	VW-1 (SILVYN® CC FR)
		Additional:	MIL-202 (SILVYN® CC FR) FAR 25 (SILVYN® CC FR)

Part Number	Nominal Size		Expansion Range (in)		Expansion Range (mm)		Weight (lbs/100 ft)	Standard Put-up Spool Lengths (ft)	
	(inches)	(mm)	Min.	Max.	Min.	Max.		Bulk	Mini
SILVYN® CC*									
CC-1/8-XX	1/8"	3.18	1/8"	1/4"	3.175	6.350	0.396	1000	100
CC-1/4-XX	1/4"	6.35	5/32"	7/16"	3.969	11.113	0.464	1000	100
CC-3/8-XX	3/8"	9.53	3/16"	5/8"	4.763	15.875	0.744	500	100
CC-1/2-XX	1/2"	12.70	1/4"	3/4"	6.350	19.050	0.822	500	100
CC-3/4-XX	3/4"	19.05	5/8"	1"	15.875	25.400	1.113	250	75
CC-1-XX	1"	25.40	3/4"	1 3/16"	19.050	30.163	1.236	250	50
CC-1-1/4-XX	1 1/4"	31.75	1"	1 1/2"	25.400	38.100	1.555	250	50
CC-1-1/2-XX	1 1/2"	38.10	1 1/4"	2"	31.750	50.800	1.850	250	50
SILVYN® CC FR**									
CCFR-1/8-XX	1/8"	3.18	1/8"	1/4"	3.175	6.350	0.396	1000	100
CCFR-1/4-XX	1/4"	6.35	5/32"	7/16"	3.969	11.113	0.464	1000	100
CCFR-3/8-XX	3/8"	9.53	3/16"	5/8"	4.763	15.875	0.744	500	100
CCFR-1/2-XX	1/2"	12.70	1/4"	3/4"	6.350	19.050	0.822	500	100
CCFR-3/4-XX	3/4"	19.05	5/8"	1"	15.875	25.400	1.113	250	75
CCFR-1-XX	1"	25.40	3/4"	1 3/16"	19.050	30.163	1.236	250	50
CCFR-1-1/4-XX	1 1/4"	31.75	1"	1 1/2"	25.400	38.100	1.555	250	50
CCFR-1-1/2-XX	1 1/2"	38.10	1 1/4"	2"	31.750	50.800	1.850	250	50

* SILVYN® CC is available in black (BK) or gray (GY); replace "XX" with desired color code, see above.

** SILVYN® CC FR is available in black with white tracers (BW) or white with black tracers (WB); replace "XX" with desired color code, see above.

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For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

SILVYN® PET/PET FR

Economical General Purpose PET Sleevings



Approvals



Color Codes



SILVYN® PET is an economical solution that provides bundling and protection of wires, cables, and hoses. SILVYN® PET FR is a flame-retardant version, designed to quickly self-extinguish and minimize the spread of flame.

Performance Characteristics

- High resistance to gasoline, chemicals, and cleaning solvents
- Increased braid density for fuller coverage
- Expands up to 150%
- Halogen-free
- Cuts cleanly when a hot knife is used

Application Advantage

- Denser coverage provides for increased protection of substrates for increased product life
- Economical alternative for low budget installations
- Increased product life in industrial applications where gasoline, chemicals, and cleaning solvents are present
- Available in a wide variety of colors for color-coding installations

NR: Neon Red	NP: Neon Pink	NY: Neon Yellow
NG: Neon Green	NB: Neon Blue	BE: Beige
CB: Carbon	NX: Nitrox	PT: Patriot
RD: Red	OR: Orange	YL: Yellow
GN: Green	BL: Blue	PP: Purple
CL: Clear	BK: Black	WH: White
	GY: Gray	

Technical Data

Material: Polyethylene terephthalate (PET) filaments

Temperature Range: -75°C to +125°C
(-103°F to +257°F)

Melting Temperature:
 - SILVYN® PET: 230°C (446°F)
 - SILVYN® PET FR: 250°C (257°F)

Color:
 - SILVYN® PET: Various, see color code chart
 - SILVYN® PET FR: BK: Black WH: White

Approvals:
 UL
 CSA
 FAR 25
 FMVSS 302
 VW-1 (SILVYN® PET FR)
 MIL-202 (SILVYN® PET FR)

Part Number	Nominal Size (inches)	Expansion Range (in) Min. Max.	Weight (lbs/100 ft)	Standard Put-up Spool Lengths (ft) Bulk Mini	Part Number	Nominal Size (inches)	Expansion Range (in) Min. Max.	Weight (lbs/100 ft)	Standard Put-up Spool Lengths (ft) Bulk Mini
SILVYN® PET *					SILVYN® PET FR **				
PET-1/8-XX	1/8"	3/32" 1/4"	0.16	1000 225	PETFR-1/8-XX	1/8"	3/32" 1/4"	0.16	1000 225
PET-1/4-XX	1/4"	1/8" 7/16"	0.24	1000 200	PETFR-1/4-XX	1/4"	1/8" 7/16"	0.24	1000 200
PET-3/8-XX	3/8"	3/16" 5/8"	0.57	500 125	PETFR-3/8-XX	3/8"	3/16" 5/8"	0.57	500 125
PET-1/2-XX	1/2"	1/4" 3/4"	0.77	500 100	PETFR-1/2-XX	1/2"	1/4" 3/4"	0.77	500 100
PET-5/8-XX	5/8"	3/8" 1"	0.95	500 100	PETFR-3/4-XX	3/4"	1/2" 1 1/4"	1.20	250 75
PET-3/4-XX	3/4"	1/2" 1 1/4"	1.20	250 75	PETFR-1-1/4-XX	1 1/4"	3/4" 1 3/4"	1.60	250 50
PET-1-XX	1"	5/8" 1 5/8"	1.34	250 65	PETFR-1-1/2-XX	1 1/2"	1" 2 1/2"	1.96	200 40
PET-1-1/4-XX	1 1/4"	3/4" 1 3/4"	1.60	250 50	PETFR-1-3/4-XX	1 3/4"	1 1/4" 2 3/4"	2.70	200 30
PET-1-1/2-XX	1 1/2"	1" 2 1/2"	1.96	200 40	PETFR-2-XX	2"	1 1/2" 3 1/2"	3.30	200 50
PET-1-3/4-XX	1 3/4"	1 1/4" 2 3/4"	2.70	200 30	PETFR-2-1/2-XX	2 1/2"	1 3/4" 4 1/2"	3.80	200 50
PET-2-XX	2"	1 1/2" 3 1/2"	3.30	200 50	PETFR-3-XX	3"	2 1/2" 4 3/4"	4.00	100 50
PET-2-1/2-XX	2 1/2"	1 3/4" 4 1/2"	3.80	200 50					
PET-3-XX	3"	2 1/2" 4 3/4"	4.00	100 50					

* SILVYN® PET is available in many colors: see above. Replace "XX" with desired color code, see above.

** SILVYN® PET FR is available in black with white tracers (BW) or white with black tracers (WB); replace "XX" with desired color code, see above

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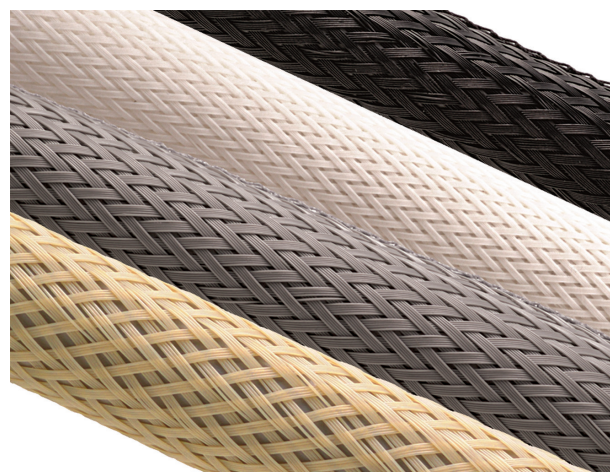
SILVYN® WRAP / WRAP FR

PET Sleeve with Velcro for Easy Access & Installation

SILVYN® WRAP is a PET sleeving that allows for breaking out cables or hoses from bundles for connection and retrofit applications. SILVYN® WRAP FR is a flame-retardant version, designed to quickly self-extinguish and minimize the spread of flame.

Performance Characteristics

- Easily opened and closed by Velcro edges
- Flexible material expands over various shapes
- Halogen-free
- Cuts cleanly when a hot knife is used



Application Advantage

- Varied access provides easy connections and rework
- Time-saving solutions for various applications

Approvals



Technical Data

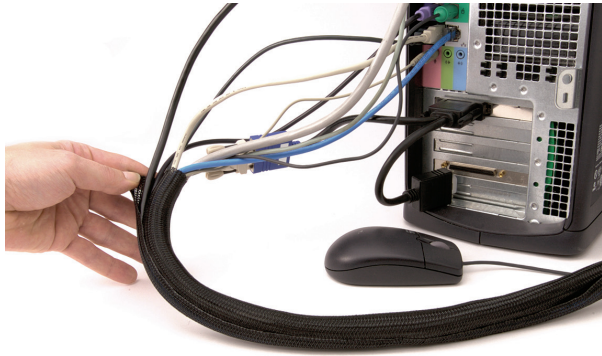
Material:	Polyethylene terephthalate (PET) filaments	Color:	- SILVYN® WRAP: BK: Black WH: White GY: Gray BE: Beige - SILVYN® WRAP FR: Black
Temperature Range:	-75°C to +125°C (-103°F to +257°F)	Approvals:	UL CSA VW-1 (SILVYN® WRAP FR) MIL-202 (SILVYN® WRAP FR)
Melting Temperature:	- SILVYN® WRAP: 230°C (446°F) - SILVYN® WRAP FR: 250°C (482°F)		

Part Number	Nominal Size (inches)	Hook & Loop Width	Weight (lbs/100 ft)	Standard Put-up Spool Lengths (ft)		Part Number	Nominal Size (inches)	Hook & Loop Width	Weight (lbs/100 ft)	Standard Put-up Spool Lengths (ft)	
				Bulk	Mini					Bulk	Mini
SILVYN® WRAP*						SILVYN® WRAP FR					
FW-1/2-XX	1/2"	1/4"	1.30	100	20	FWFR-1/2	1/2"	1/4"	1.30	100	20
FW-3/4-XX	3/4"	5/8"	1.80	100	15	FWFR-3/4	3/4"	5/8"	1.80	100	15
FW-1-1/4-XX	1 1/4"	5/8"	2.30	100	12	FWFR-1-1/4	1 1/4"	5/8"	2.30	100	12
FW-2-XX	2"	5/8"	3.20	100	10	FWFR-2	2"	5/8"	3.20	100	10

* SILVYN® WRAP is available in black (BK), white (WH), gray (GY), or beige (BE); replace "XX" with desired color code, see above.

SILVYN® SW/SW FR

Semi-Rigid PET Sleeve with Split Wrap for Easy Installation



SILVYN® SW is a pre-formed PET sleeve provided with a built-in split. Simply pull the wrap apart, install your wire and hose, and release. SILVYN® SW FR is a flame-retardant version, designed to quickly self-extinguish and minimize the spread of flame.

Performance Characteristics

- More flexible than spiral wrap
- Tight bend radius without splitting open
- 25% edge overlap
- Halogen-free
- SILVYN® SW FR comes in an easy-access box to protect its shape

Application Advantage

- Pre-formed split arrows for easy installation of wire and hoses
- Provides a large overlap for full coverage over splices and in-line connections
- Ease of installation provides for labor and costs savings
- Quiet in installations with high vibration

Approvals



Technical Data

Material: Polyethylene terephthalate (PET) filaments

Temperature Range: -75°C to +125°C
(-103°F to +257°F)

Melting Temperature:
- SILVYN® SW: 230°C (446°F)
- SILVYN® SW FR: 250°C (482°F)

Color: Black

Approvals: UL
CSA
VW-1 (SILVYN® SW FR)

Part Number		Nominal Size		Standard Put-up Spool Lengths (ft)		Weight (lbs/100 ft)
SILVYN® SW	SILVYN® SW FR	(inches)	(mm)	Bulk	Mini	
SW - 1/8	SWFR - 1/8	1/8"	3.18	400	100	0.20
SW - 1/4	SWFR - 1/4	1/4"	6.35	200	100	0.60
SW - 1/2	SWFR - 1/2	1/2"	12.70	150	75	1.40
SW - 3/4	SWFR - 3/4	3/4"	19.05	100	50	1.60
SW - 1	SWFR - 1	1"	25.40	100	50	2.00
SW - 1-1/2	SWFR - 1-1/2	1 1/2"	38.10	75	25	2.70
SW - 2	SWFR - 2	2"	50.80	50	25	3.60

Cutting Tools

Serrated Edge Scissors



These scissors have a serrated blade on an angle to easily cut sleeving. Other cutting tools are available upon request.

Description	Part Number
Serrated edge scissors	812056

Bench-Mounted Hot Knife



The bench-mounted hot knife has a 2 1/2" cutting blade and heats to 600°C in 30 seconds. 110V for operation. Replacement blades are available.

Description	Part Number
Bench-mounted hot knife	812057
Replacement blades	812058

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For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

CABLE CARRIER SYSTEMS

SILVYN® Micro Carrier

Light Duty Fiber-Reinforced Nylon Cable Track; Standard Widths

SILVYN® Standard Carrier

Cost-Effective Nylon Cable Track; Standard Widths

SILVYN® Rugged Plastic Carrier

Heavy Duty Nylon Cable Track; Standard Widths

SILVYN® Rugged Hybrid Carrier

Hybrid Nylon Chain/Aluminum Frame Stay Cable Track; Customizable Widths

SILVYN® Rugged Hybrid Quiet Carrier

Hybrid Nylon/Aluminum Frame Stay Cable Track; Customizable Widths

SILVYN® Steel Quiet Carrier

Rugged Steel Cable Track; Customizable Widths

SILVYN® Robot 900

3D Multi-Axis Nylon Cable Track

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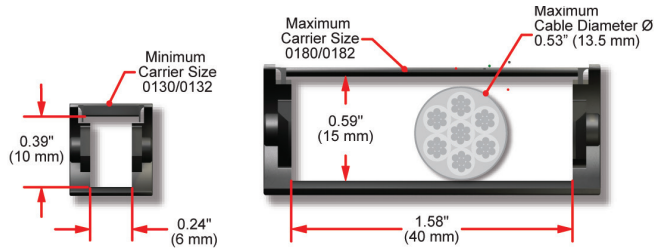
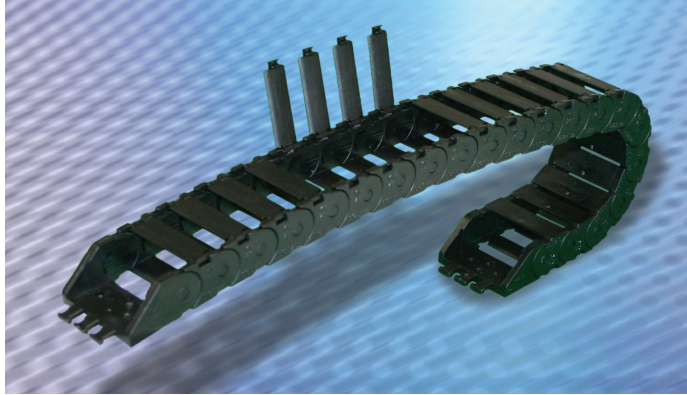
SILVYN®

**Cable Carrier
Systems**



SILVYN® Micro Carrier

Light Duty Fiber-Reinforced Nylon Cable Track; Standard Widths



Performance Characteristics

- Smallest cable carrier for smooth quiet operation
- Fixed closed or hinged opening link options
- Open or tubed design
- Easy snap-together assembly
- Integral strain relief mounting brackets
- Wide range of available bend radii options
- Lightweight and rugged fiber-reinforced nylon material
- Models 130/180 (hinged); 132/182 (fixed)

Lapp Systems Advantage

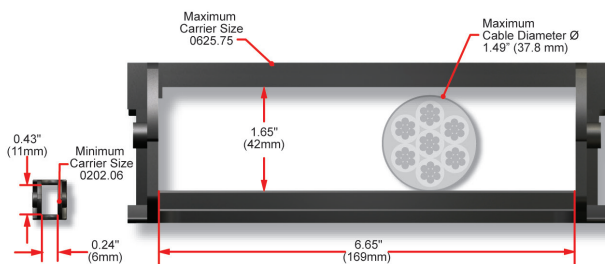
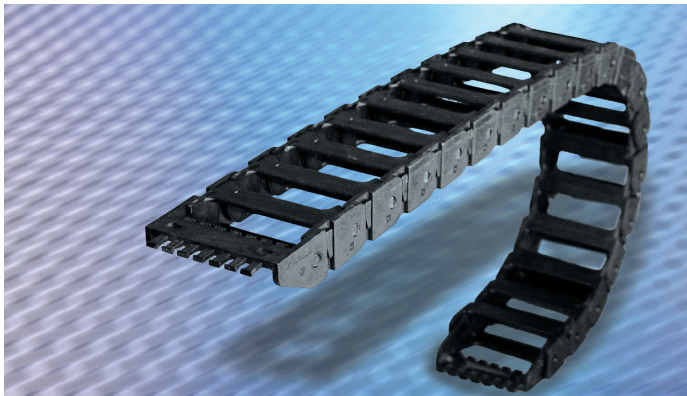
For populated cable track, see page 647



Call 1-800-774-3539 or visit www.lappusa.com for help specifying our SILVYN® cable carrier systems.

SILVYN® Standard Carrier

Cost-Effective Nylon Cable Track; Standard Widths



Performance Characteristics

- Lightweight, rugged links in molded fiber-reinforced nylon material
- Wide range of cost effective fixed cable carrier widths
- Fixed closed or hinged opening link options
- Open or tubed design
- Easy snap-together assembly
- Integral strain relief mounting brackets
- Vertical and horizontal cable separation in nylon or aluminum
- Models 202, 320, 450, 625

Lapp Systems Advantage

For populated cable track, see page 647



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SILVYN® Rugged Plastic Carrier

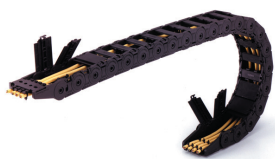
Heavy Duty Nylon Cable Track; Standard Widths

Performance Characteristics

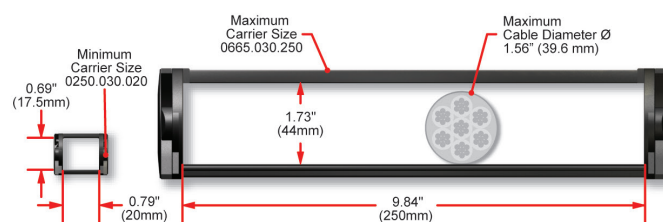
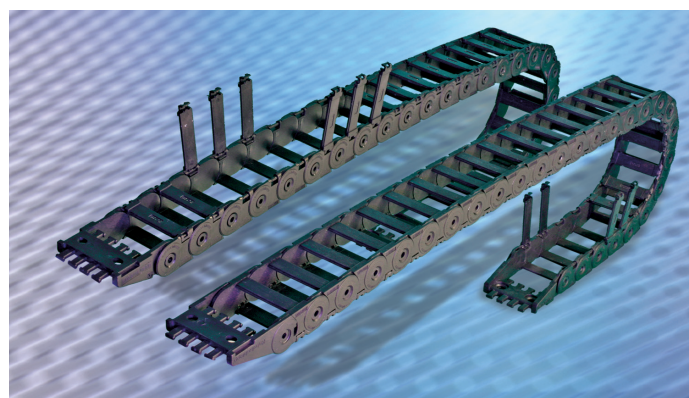
- Standard widths
- Extremely durable fiber-reinforced nylon construction
- Double stop system for industry leading self-supporting lengths under heavy loads
- Open or tubed design
- Easy snap-together assembly
- Fixed closed or hinged opening link options
- Integral strain relief mounting brackets
- Wide range of available bend radii options
- Models 250, 345, 455, 555, 665

Lapp Systems Advantage

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SILVYN® Rugged Hybrid Carrier

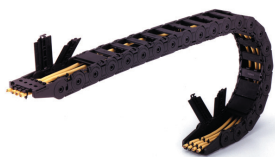
Hybrid Nylon Chain/Aluminum Frame Stay Cable Track; Customizable Widths

Performance Characteristics

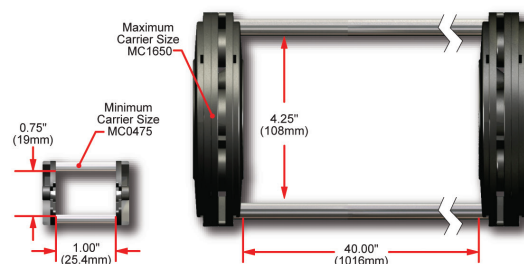
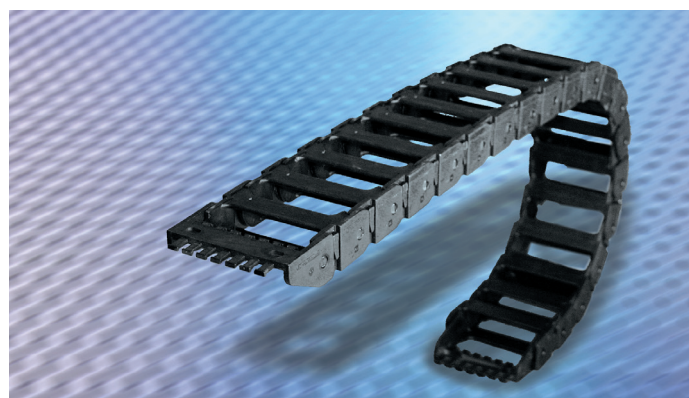
- Extremely durable fiber-reinforced nylon chain band
- Open or tubed design
- Patented nylon bolt-together link design
- Replaceable long life glide shoes
- Twist-in, bolted, or bored aluminum cavity access bars
- Wide range of available frame-stay, partitioning, and bend radii options
- Models:
 - Open: MC320, MC475, MC650, MC950, MC1250, MC1650
 - Tubed: MT475, MT650, MT950, MT1250, MT1650

Lapp Systems Advantage

For populated cable track, see page 647



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SILVYN® Rugged Hybrid Quiet Carrier

Hybrid Nylon/Aluminum Frame Stay Cable Track; Customizable Widths



■ Performance Characteristics

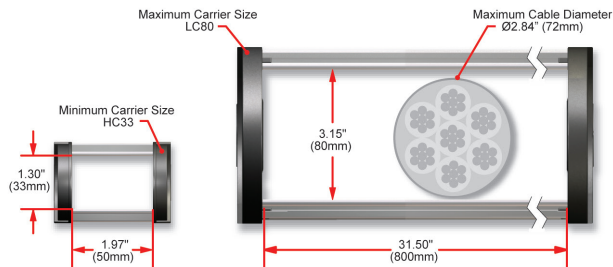
- Optimized operational stability for large loads
- Individual cavity widths in incremental sizes
- Extremely quiet patented internal damping system
- Very lightweight open or tubed design
- Standard bend radii with intermediate radii available
- Replaceable glide shoes for long travel or high speed applications
- Easily opened from inside and outside for quick cable access and installation
- Models: Open: HC33, HC46, LC60, LC80
Tubed: LT60, LT80

■ Lapp Systems Advantage

For populated cable track, see page 647



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SILVYN® Steel Quiet Carrier

Rugged Steel Cable Track; Customizable Widths



■ Performance Characteristics

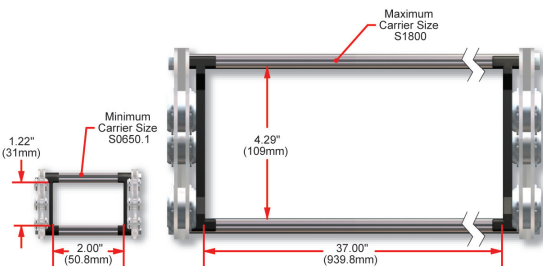
- Rugged, heavy duty carrier scalable to extreme size and load applications
- High-grade galvanized or stainless steel construction
- Corrosion and red-hot chip resistant (Complete chip protection with tubed option)
- Wide range of frame-stay partitioning and bend radii options
- Models:
 - Open: 650S, 950S, 1250S, 1800S, 2500S, 3200S
 - Tubed: S650, S950, S1250, S1800

■ Lapp Systems Advantage

For populated cable track, see page 647



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SILVYN® Robot 900

3D Multi-Axis Nylon Cable Track

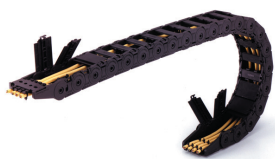
Performance Characteristics

- Patented, flexible 3D movement for multiple-axis applications
- Easy press-in cable and hose installation
- Supports a wide range of cable diameters
- Braided steel wire core provides optimal strength
- Easy-to-install mounting brackets for robot installation
- Models R40, R56, R75, R85, R100

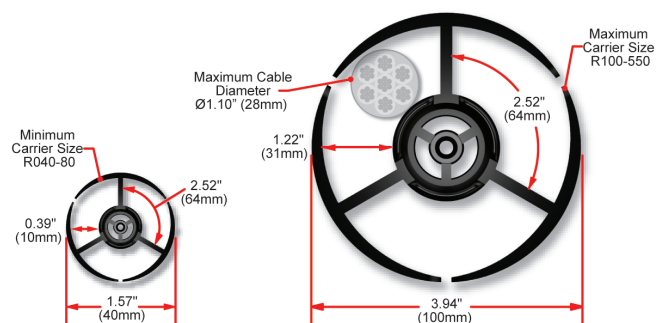


Lapp Systems Advantage

For populated cable track, see page 647

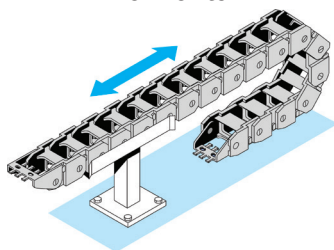


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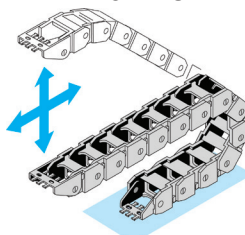


Common Carrier Operating Modes

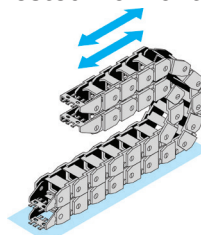
Horizontal



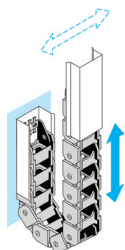
Two Axis



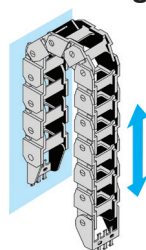
Nested Horizontal



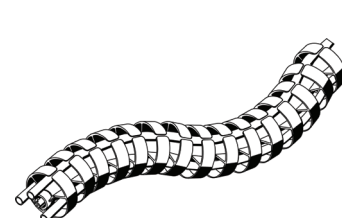
Vertical Standing



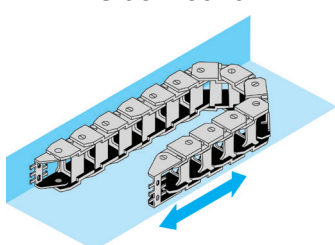
Vertical Hanging



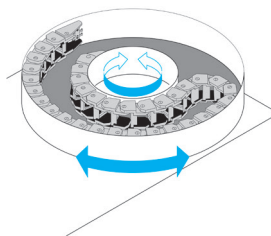
3-D Multi-Axis



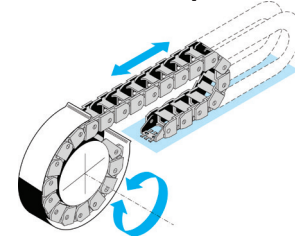
Side Mount



Circular



Rotary



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