

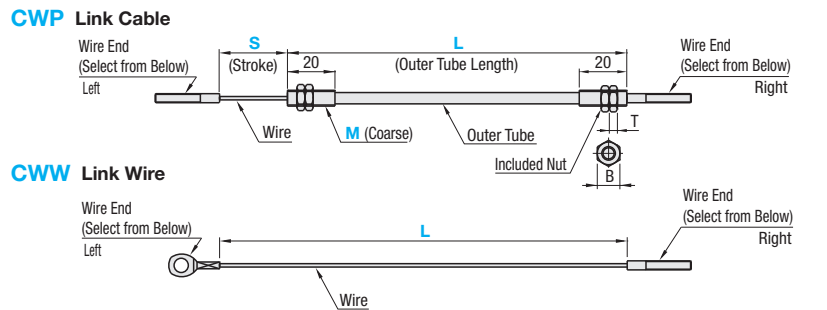


Link Cable / Wire



RoHS10

Operating Temperature Applicable: -25 to +80°C
 Material: Wire Outer End (Threaded): 304 Stainless Steel
 Included Nut 4 pcs: (JIS Class 3): 304 Stainless Steel
 Outer Tube (Sheath): PVC (Black)
 Internal Liner: PE
 Inner Core Rod: Copper for Screw



Wire End Selection

M: Threaded Type

No.	M	Pitch (F)	l	W
03	3	0.5	20	2.5
04	4	0.7	25	3.5
05	5	0.8	30	4.5

Material: 303 Stainless Steel
Included Nut, 1pc: (JIS Class 3): 304 Stainless Steel

N: Tapped Type

No.	M	Pitch (F)	l	B
03	3	0.5	20	10
04	4	0.7	25	15
05	5	0.8	30	20

Material: 303 Stainless Steel

P: Ring

No.	d(I.D.)
03	3.2
04	4.2
05	5.2

Material: 304 Stainless Steel

Link Cable

Part Number	Wire End No. Selection		S (Stroke) 10 mm Increment	L (Outer Length) 10 mm Increment	Wire Dia. (Ø)	Outer Diameter (Ø)	Outer End M (Coarse)	Included Nut B	T	Max. Operating Force N (kgf)	Minimum Bending Radius R
	Left	Right									
CWP	0.7	M 03	40-500	200-3000	0.75	5	M5	8	3.2	294[30]	75
	1.2	N 04	40-500	200-3000	1.2	5	M6	10	3.6	706[72]	
	2.0	P 05	40-500	300-3000	2.0	6	M8	13	5	1878[192]	

Link Wire

Part Number	Wire End No. Selection		L 10mm Increment	Wire Dia. (Ø)	Max. Operating Force N (kgf)	Minimum Bending Radius R
	Left	Right				
CWW	0.7	03	40-5000	0.75	294[30]	20
	1.2	04	40-5000	1.2	706[72]	32
	2.0	05	40-5000	2.0	1878[192]	52

Ordering Example: Part Number - Wire End - Stroke - Outer Length Wire Length
 CWP0.7 - M03 - N03 - S40 - 1000
 CWW1.2 - P04 - N04 - 1200

Price [Configure Online](#)

Link Cable

Part Number	Wire End	Unit Price			
		L-500	-1000	-2000	-3000
CWP	0.7	PP			
		MP NP			
	1.2	MM MN NN			
		PP			
	2.0	MP NP			
		MM MN NN			

Link Wire

Part Number	Wire End	Unit Price			
		L-500	-1000	-3000	-5000
CWW	0.7	PP			
		MP NP			
	1.2	MM MN NN			
		PP			
	2.0	MP NP			
		MM MN NN			

Durability & Replacement Cycle <Reference Value>

Wire Dia.	Safety Factor Pull Count	Max. Operating Force N (kgf)			
		0.1 Million Times	0.3 Million Times	0.5 Million Times	1 Million Times
0.7	Operating Force N [kgf]	294 [30]	176 [18]	88 [9]	29 [3]
		706 [72]	424 [43]	212 [22]	71 [7]
		1878 [192]	1127 [115]	563 [58]	188 [19]

*When wiring the pulley, durability degrades depending on the pulley specifications.

Wire Specifications & Elongation <Reference Value>

Wire Dia.	Wire Structure (Twisted)	When used at the maximum operating force			
		Applied Load	Total Elongation	Elastic Elongation	Permanent Elongation
0.7	Multi-twisted (7x19)	294N	1.17%	1.13%	0.04%
		706N	1.13%	1.09%	0.03%
		1878N	1.13%	1.08%	0.05%

Days to Ship [Configure Online](#)

Alterations [Ordering Example](#) Part Number - Wire End - Stroke - Outer Length - (BL-WBL)
 CWP0.7 - M03 - N04 - S40 - 1000 - BL

Alteration	Bracket Included												
Spec.	<table border="1"> <thead> <tr> <th>Type</th> <th>No.</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>CWP</td> <td>0.7</td> <td>5.3</td> </tr> <tr> <td></td> <td>1.2</td> <td>6.5</td> </tr> <tr> <td></td> <td>2.0</td> <td>8.5</td> </tr> </tbody> </table> <p>Shipped with the mounting brackets and screws included. Bolt: SCB4-10, 2 pcs. Applicable to CWP/M. Material: 304 Stainless Steel</p>	Type	No.	D	CWP	0.7	5.3		1.2	6.5		2.0	8.5
Type	No.	D											
CWP	0.7	5.3											
	1.2	6.5											
	2.0	8.5											
Code	BL (1 pc.) WBL (2 pcs.)												
1Code	200 360												

Features of Link Cable

- Generally called PULL cable - A control cable that, when used together with various connecting parts, can perform complex power transmissions to a device installed far away by transmitting the pull force and displacement.
- Originally designed as an internal component for automobiles, link cable is often associated with the following characteristics: lightweight, direct feel, assembly, safety and vibration damping/sound proofing.
- <Flexible Design/Assembly> Without requiring the joint mechanism of the intermediate area, all you need is a gap in the outer diameter to connect the drive component and the operating unit three-dimensionally.
- <Quake Resistance & Sound Proofing> Less rigid compared to the mechanical rod type and excels in sound dampening and vibration insulation.
- <Space Saving> Flexible placement of drive components and operating unit allows you to make the unit compact.
- <Reliability> Highly reliable as you can directly connect the operating unit and the drive components mechanically.
- <Economical> Simpler structure compared to the other connecting mechanism. Fewer assembly tasks required and easy to wire.

Cautions on Designing/Using Link Cables

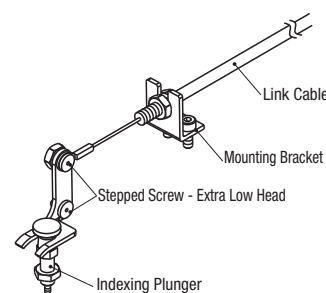
- Use it within the load capacity of the maximum operating force.
- To avoid loosening, make sure to secure the area where the outer tube is attached. (Depending on your situation, order the mounting bracket alteration and use them accordingly.)
- When you bend the cable for wiring, keep at least 100 mm straight to avoid creating a bending angle on the threaded area of both ends of the outer tube. Do not clamp the bending area of the outer tube. (It could decrease the durability.)
- When wiring the cable, ensure the bending angle is above the minimum bending radius R.
- Keep the bending to a minimum when you wire the cable.
- If you have to extend the wiring, secure the outer tube where appropriate to prevent the outer tube from moving during operations.
- To wire the cable in S-shaped form, provide a linear part that is at least twice the stroke. Failure to do so will decrease the operating force by half.
- Cautions on Using Link Wire

If you use the wire with a pulley, the outer diameter of the pulley must be longer than those shown in the below table. Durability varies depending on the operation speed or the load weight.

No.	Wire Dia.	Pulley Dia.
0.7	0.75	20
1.2	1.2	32
2.0	2.0	52

Example

Remote Controlling of Indexing Plunger



1-Input / 2-Output Mechanism

