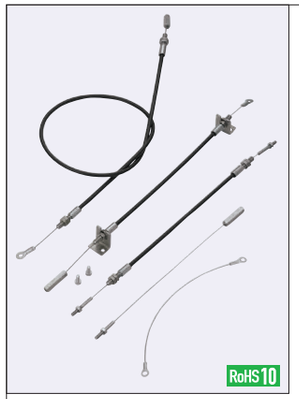
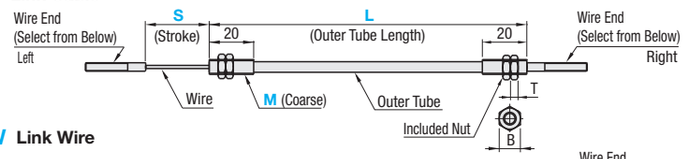
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Link Cable / Wire



Operating Temperature Applicable: -25 to +80°C
M Material: Wire Outer End (Threaded): SUS304 Equivalent
Included Nut 4 pcs: (JIS Class 3): SUS304 Equivalent
Outer Tube (Sheath): PVC (Black)
Internal Liner: PE
Inner Core Rod: Copper for Screw

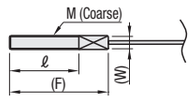
CWP Link Cable



CWW Link Wire

Wire End Selection

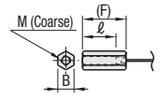
M: Threaded Type



No.		M	Pitch	(F)	ℓ	(W)
M	03	3	0.5	20	10	2.5
	04	4	0.7	25	15	3.5
	05	5	0.8	30	20	4.5

M Material: SUS303 Equivalent
Included Nut, 1 pc. (JIS Class 3): SUS304 Equivalent

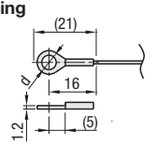
N: Tapped Type



No.		M	Pitch	(F)	ℓ	B
N	03	3	0.5	20	10	5.5
	04	4	0.7	25	15	7
	05	5	0.8	30	20	8

M Material: SUS303 Equivalent

P: Ring



No.		d
P	03	3.2
	04	4.2
	05	5.2

M Material: SUS304 Equivalent

Link Cable

Part Number Type	No.	Wire End No. Selection Left		Right		S (Stroke) 10 mm Increment	L (Outer Length) 10 mm Increment	Wire Dia. (Ø)	Outer Diameter (Ø)	Outer End M (Coarse)	Included Nut B	Included Nut T	Max. Operating Force N {kgf}	Minimum Bending Radius R
CWP	0.7	M N P	03 04 05	M N P	03 04 05	40~500	200~3000	0.75	5	M5	8	3.2	294[30]	75
	1.2					40~500	200~3000	1.2	5	M6	10	3.6	706[72]	
	2.0					40~500	300~3000	2.0	6	M8	13	5	1878[192]	100

Link Wire

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

Ordering Example

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

Durability & Replacement Cycle <Reference Value>

Wire Dia. d	Safety Factor Pull Count	Max. 0.1 Million Times	60% 0.3 Million Times	30% 0.5 Million Times	10% 1 Million Times
0.7	Operating Force N[kgf]	294 [30]	176 [18]	88 [9]	29 [3]
1.2		706 [72]	424 [43]	212 [22]	71 [7]
2.0		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. d	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%
1.2		706N	1.13%	1.09%	0.03%
2.0		1878N	1.13%	1.08%	0.05%

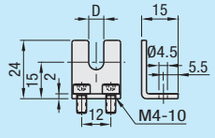
Alterations

Link Cable

Part Number Type	No.	Wire End Left/Right Combination	Unit Price L~500	~1000	~2000	~3000
CWP	0.7	PP				
		MP NP				
		MM MN NN				
	1.2	PP				
		MP NP				
		MM MN NN				
	2.0	PP				
		MP NP				
		MM MN NN				

Link Wire

Part Number Type	No.	Wire End Left/Right Combination	Unit Price L~500	~1000	~3000	~5000
CWW	0.7	PP				
		MP NP				
		MM MN NN				
	1.2	PP				
		MP NP				
		MM MN NN				
	2.0	PP				
		MP NP				
		MM MN NN				

Alteration	Bracket Included
Spec.	 Shipped with the mounting brackets and screws included. Bolt: SCB4-10, 2 pcs. Applicable to CWP M Material: SUS304
Code	BL (1 pc.) WBL (2 pcs.)

Type	No.	D
CWP	0.7	5.3
	1.2	6.5
	2.0	8.5

Features of Link Cable

·Generally called PULL cable - a control cable that can perform complex power transmissions to the device installed far away by transmitting the pull force and displacement, using together with various connecting parts.

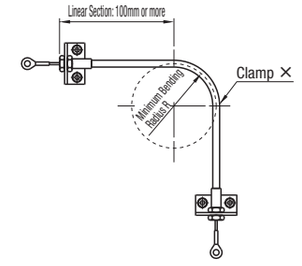
·Originally designed as the internal components of the automobiles - the power transmission component with the characteristics of "lightweight", "direct feel", "assembly", "vibration damping & sound proofing", and "safety".

<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.

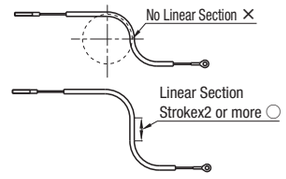
Cautions on Designing/Using Link Cables

①Use it within the load capacity of the maximum operating force.
②To avoid loosening, make sure to secure the area where the outer tube is attached. (Depending on your situation, order the alterations of the mounting bracket and use them accordingly.)
③When 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 degrade the durability.)
④Wire the cable to make the bending angle to be above the minimum bending radius R.
⑤Keep the bending minimum when you wire the cable.
⑥If you have to extend the wiring, secure the outer tube where appropriate to prevent the outer tube from moving broadly during operations.
⑦To wire the cable in S-shaped form, provide a linear part that is at least twice the stroke. Failure to do so will degrade the operating force by half.
⑧Cautions 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.

③④

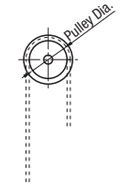


⑦



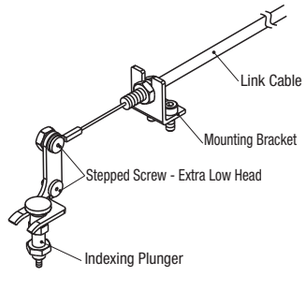
⑧

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