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OPR-SL/OPR-SL(SB)

This slim robot cable (SL) evolved from ORP serizes

Feature

This slim cable became 20% smaller diameter than ORP Cable

Each Robot cable has compatible with a widerange of models against any movement of robots

Apprication

Best suited moving parts of equipment & between devices

Standard spec.

UL2464(80°C、300V)

Insulation: Special Elastomer

Sheath material : Oil resistance PVC

Product classification

stranding type

non shield 300V rating

ORP-SL

twist pair type

braided 300V rating

ORP-SL(SB)

Order style

ORP-SL

cross
sectional

×

□C/□P
Conductor NO/Pairshield or non
shield

(2464)

Base style
Slim type0.05SQ
∫
0.5SQ

Stranding	Twist pair
3C	1P
∫	∫
15C	20P

shield : (SB)
No shield : blank

Bending properties

Test item	Result	Evaluation conditions
Cable carrier test	100 milliontimes over	Bending radius:6times of the outer cable diameter Sliding speed:70times/min. Travel distance :350mm
Bending Test Right/Left at90degrees	20milliontimes over	Bending radius:8times of the outer cable diameter Bending angle:±90° Bending speed:40times/min. Weight:4.9N Count:Number of left and right round trips
Twisting test	20milliontimes over	Twist angle: ±180° Twist speed70times/min. Spacex:500mm



Industrial EtherNet LAN Cable
Optical Cable Optical Terminal Box
Robot Cable Instrumentation Cable
Network LAN Construction

ネットシステム(タイ) 株式会社

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<http://www.ns-tha.com>

2

ORP-D

600V Power supply Robot Cable

Strong Point

Compatible with 600V ratings and achieved small diameter and so on 300V ratings

Appropriate for wiring in narrow space & small equipment is good handling excellent in flexibility

Location

Moving device, Inspection equipments, Moving parts of manufacturing equipments

Welding Robot, assembly Robot, Articulated Robot arm parts & turning part

Base specification

UL2586(105°C, 600V)

Insulation : Special elastomer

Outer jacket : Pre oil PVC

Product classification

Stranding Type

Non shield.600V ratings

ORP-D

Order style

ORP-D

SQ
Cross

C
Conductor

(2586)

Base style
Slim style

0.5SQ
S
5.5SQ

2C
S
10C

Bending characteristic

Test item	Result	Evaluation condition
Cable carrier test	100 million over times	Bending radius: 6 times of the cable diameter Sliding speed: 70 times/min. Travel distance: 350mm
Bending test Right/Left at 90 degrees	20 million over times	Bending radius: 8 times of the outer cable diameter Bending angle: ±90° Bending speed: 40 times/min. Weight: 4.9N Counter: Number of left & right round trips
Twisting test	20 million over times	Twist angle: ±180° Twist speed: 70 times/min. Spacex: 500mm



OKI 1B-2	• Sales of Cables • Cutting of Cables	ORP-SL Slim type Robot cables. Stranding type shield)	(non	July. 2021
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Sales unit	We are seller from minum length at 10m, After cutting seller in 1m increments
Sales price	Under the price is incude cutting fee. After cutting seller in 1m increments

製品番号	Production Number	UL Style NO	Qty(identification)	NSC Price	NS Price	Deliverables
			L=m			
OS3003	ORP-SL 0.05SQ × 3C (2464)					Makers stock
OS3004	ORP-SL 0.05SQ × 4C (2464)					Makers stock
OS2803	ORP-SL 0.1SQ × 3C (2464)					Makers stock
OS2804	ORP-SL 0.1SQ × 4C (2464)					Makers stock
OS2805	ORP-SL 0.1SQ × 5C (2464)					Makers stock
OS2806	ORP-SL 0.1SQ × 6C (2464)					Makers stock
OS2807	ORP-SL 0.1SQ × 7C (2464)					Makers stock
OS2808	ORP-SL 0.1SQ × 8C (2464)					Makers stock
OS2810	ORP-SL 0.1SQ × 10C (2464)					Makers stock
OS2503	ORP-SL 0.2SQ × 3C (2464)					Makers stock
OS2504	ORP-SL 0.2SQ × 4C (2464)					Makers stock
OS2505	ORP-SL 0.2SQ × 5C (2464)					Makers stock
OS2506	ORP-SL 0.2SQ × 6C (2464)					Makers stock
OS2507	ORP-SL 0.2SQ × 7C (2464)					Makers stock
OS2508	ORP-SL 0.2SQ × 8C (2464)					Makers stock
OS2510	ORP-SL 0.2SQ × 10C (2464)					Makers stock
OS2303	ORP-SL 0.3SQ × 3C (2464)					Makers stock
OS2304	ORP-SL 0.3SQ × 4C (2464)					Makers stock
OS2305	ORP-SL 0.3SQ × 5C (2464)					Makers stock
OS2306	ORP-SL 0.3SQ × 6C (2464)					Makers stock
OS2307	ORP-SL 0.3SQ × 7C (2464)					Makers stock
OS2308	ORP-SL 0.3SQ × 8C (2464)					Makers stock
OS2310	ORP-SL 0.3SQ × 10C (2464)					Makers stock
OS2503	ORP-SL 0.5SQ × 3C (2464)					Makers stock
OS2504	ORP-SL 0.5SQ × 4C (2464)					Makers stock

※ About the price, Please contact us each time with our sales staff . The above the price is reference price. Because, not only copper price but also compoud is remarkable rize.

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OKI
1B-3

Cutting & Sales of
Cables(1m unit at
10m and more)

ORP-SL(SB)
Slim Type Robot Cable • Twist pair&shield type

July. 2021

Sales Unit	We are seller from minium length at 10m , After cutting seller in 1m increments.
Sales Price	After cutting price seller in 1 m increments.

Production NO	Poduction NO	ULStyle NO	Qty	NSC Price	NS Price	Deliverables
			L=m		¥/m	
OS3011	ORP-SL 0.05SQ × 1P (SB) (2464)					Makers stock
OS3022	ORP-SL 0.05SQ × 2P (SB) (2464)					Makers stock
OS3033	ORP-SL 0.05SQ × 3P (SB) (2464)					Makers stock
OS3044	ORP-SL 0.05SQ × 4P (SB) (2464)					Makers stock
OS2811	ORP-SL 0.1SQ × 1P (SB) (2464)					Makers stock
OS2822	ORP-SL 0.1SQ × 2P (SB) (2464)					Makers stock
OS2833	ORP-SL 0.1SQ × 3P (SB) (2464)					Makers stock
OS2844	ORP-SL 0.1SQ × 4P (SB) (2464)					Makers stock
OS2855	ORP-SL 0.1SQ × 5P (SB) (2464)					Makers stock
OS2866	ORP-SL 0.1SQ × 6P (SB) (2464)					Makers stock
OS2877	ORP-SL 0.1SQ × 7P (SB) (2464)					Makers stock
OS2888	ORP-SL 0.1SQ × 8P (SB) (2464)					Makers stock
OS281010	ORP-SL 0.1SQ × 10P (SB) (2464)					Makers stock
						Makers stock
OS2511	ORP-SL 0.2SQ × 1P (SB) (2464)					Makers stock
OS2522	ORP-SL 0.2SQ × 2P (SB) (2464)					Makers stock
OS2533	ORP-SL 0.2SQ × 3P (SB) (2464)					Makers stock
OS2544	ORP-SL 0.2SQ × 4P (SB) (2464)					Makers stock
OS2555	ORP-SL 0.2SQ × 5P (SB) (2464)					Makers stock
OS2566	ORP-SL 0.2SQ × 6P (SB) (2464)					Makers stock
OS2577	ORP-SL 0.2SQ × 7P (SB) (2464)					Makers stock
OS2588	ORP-SL 0.2SQ × 8P (SB) (2464)					Makers stock
OS251010	ORP-SL 0.2SQ × 10P (SB) (2464)					Makers stock
OS2311	ORP-SL 0.3SQ × 1P (SB) (2464)					Makers stock
OS2322	ORP-SL 0.3SQ × 2P (SB) (2464)					Makers stock
OS2333	ORP-SL 0.3SQ × 3P (SB) (2464)					Makers stock
OS2344	ORP-SL 0.3SQ × 4P (SB) (2464)					Makers stock
OS2355	ORP-SL 0.3SQ × 5P (SB) (2464)					Makers stock
OS2366	ORP-SL 0.3SQ × 6P (SB) (2464)					Makers stock
OS2377	ORP-SL 0.3SQ × 7P (SB) (2464)					Makers stock
OS2388	ORP-SL 0.3SQ × 8P (SB) (2464)					Makers stock
OS231010	ORP-SL 0.3SQ × 10P (SB) (2464)					Makers stock

※ About the price, Please contact us each time with our sales staff.The above price is reference price, Because a copper base is remarkable rise.

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Oki
2B-2

Cutting & Sales of
cables

OKI ORP-D
Robot cable • Non shield type

July. 2021

Sels unit	We are seller from minimum length at 10m. After cutting seller in 1 m increments. Under the price is include cutting fee. In the case of fixed length, We will give you a quotation.
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Sales price	Each products are depend on copper ves.. (Scheduled revision date : Apr,1、 Jul,1、 Oct,1、 Jan,1) About the price , Please contact our sales staff each time.
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Part NO.	Production NO.	UL Style NO	Length	NSC Price	NS Price	Deliverables
			Order			
OD2102	ORP-D 0.5SQ 2C (2586)					makers stock
OD2103	ORP-D 0.5SQ 3C (2586)					makers stock
OD2104	ORP-D 0.5SQ 4C (2586)					makers stock
OD2105	ORP-D 0.5SQ 5C (2586)					makers stock
OD2106	ORP-D 0.5SQ 6C (2586)					makers stock
OD2108	ORP-D 0.5SQ 8C (2586)					makers stock
OD2110	ORP-D 0.5SQ 10C (2586)					makers stock
OD1902	ORP-D 0.75SQ 2C (2586)					makers stock
OD1903	ORP-D 0.75SQ 3C (2586)					makers stock
OD1904	ORP-D 0.75SQ 4C (2586)					makers stock
OD1905	ORP-D 0.75SQ 5C (2586)					makers stock
OD1906	ORP-D 0.75SQ 6C (2586)					makers stock
OD1908	ORP-D 0.75SQ 8C (2586)					makers stock
OD1910	ORP-D 0.75SQ 10C (2586)					makers stock
OD1702	ORP-D 1.25SQ 2C (2586)					makers stock
OD1703	ORP-D 1.25SQ 3C (2586)					makers stock
OD1704	ORP-D 1.25SQ 4C (2586)					makers stock
OD1705	ORP-D 1.25SQ 5C (2586)					makers stock
OD1706	ORP-D 1.25SQ 6C (2586)					makers stock
OD1708	ORP-D 1.25SQ 8C (2586)					makers stock
OD1710	ORP-D 1.25SQ 10C (2586)					makers stock
OD1502	ORP-D 2SQ 2C (2586)					makers stock
OD1503	ORP-D 2SQ 3C (2586)					makers stock
OD1504	ORP-D 2SQ 4C (2586)					makers stock
OD1505	ORP-D 2SQ 5C (2586)					makers stock
OD1506	ORP-D 2SQ 6C (2586)					makers stock
OD1508	ORP-D 2SQ 8C (2586)					makers stock
OD1510	ORP-D 2SQ 10C (2586)					makers stock

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