

SANKEI

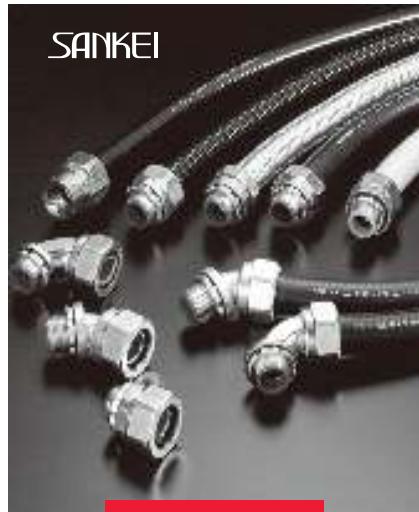


The Key to Success.

SANKEI & EUMAX's Overview Catalog

ພົນມາເຂົາ ແລະ ຈັດຈຳທຳຍ່າຍ

ELECTRICAL INSTALLATION PARTS AND CABLE PROTECTION SYSTEMS.

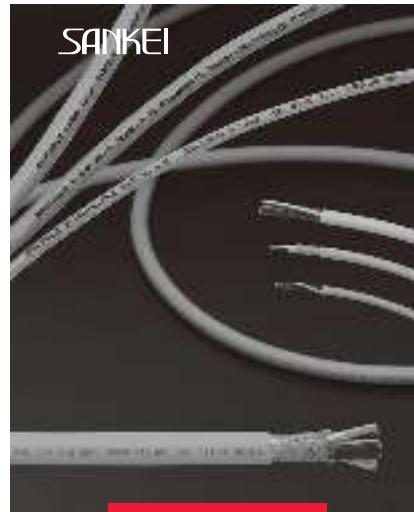


METALLIC FLEXIBLE CONDUIT

KEIFLEX®
ケイフレックス



EUMAX



DEVELOPED FOR MACHINE TOOLS, DEVICES, EQUIPMENT

SANCABLE
サンケーフル



U.B.G.(2008) Company Limited.

Tel. 0-2895-0751-4 Fax. 0-2895-0755

Mail : info@ubg.co.th, Website : www.ubg.co.th



SANKEI

HEAVY DUTY CONNECTOR

SANCUBE

サンキューブ



SANKEI

CABLE CARRIER

POWER GODZILLA.



SANKEI

NON-METALLIC CORRUGATED FLEXIBLE CONDUIT / NON-METALLIC FLEXIBLE CONDUIT

SANFLEKI ROBO

サンフレキROBO



SANKEI

ASSOCIATED PARTS FOR CABLE & CONDUIT SYSTEM

SANPARTS

サンパート



SANKEI

KEIGLAND

ケイグラン

DEVELOPED FOR MACHINE TOOLS, DEVICES, EQUIPMENT

SANCABLE サンケーブル

HIGH OIL RESISTANCE TPE+PUR FLEXING CYCLE HALOGEN FREE SUPER SANCABLE VGF

CE (UL) (cULus)



HIGH OIL RESISTANCE TPE+PUR FIXED INSTALLATION HALOGEN FREE SUPER SANCABLE VGL

CE (UL) (cULus)



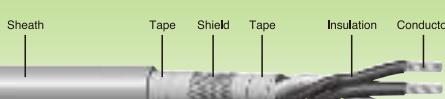
HIGH OIL RESISTANCE TPE+PUR FLEXING CYCLE EMC HALOGEN FREE BRAIDED SHIELD - SUPER SANCABLE VGBF

CE (UL) (cULus)



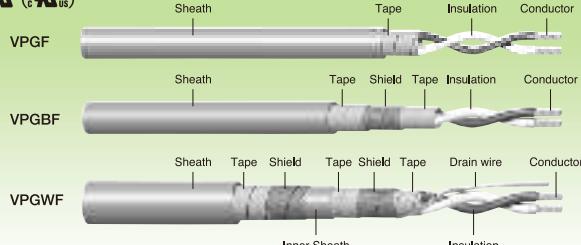
HIGH OIL RESISTANCE TPE+PUR FIXED INSTALLATION EMC HALOGEN FREE BRAIDED SHIELD - SANCABLE VGBL

CE (UL) (cULus)



HIGH OIL RESISTANCE TPE+PUR FLEXING CYCLE (EMC) HALOGEN FREE TWISTED PAIR / (WITH / WITHOUT BRAIDED SHIELD) - SUPER SANCABLE VPGF, VPGBF, VPGWF

CE (UL) (cULus)



OIL RESISTANCE MTW SANCABLE VMF, VML

CE (UL) (cULus)

PVC+PVC



APPLICATION/BENDING RADIUS

- VGF is used in the extremely harsh environment where coolant is being used substantially, in continuous flexing cycles, and Inside cable carriers. This type is suitable for internal / external wiring in devices and equipment. (Refer to Remarks indicated below)
- Minimum bending radius:

Flexing cycle	Fixed installation
7.5D or more	4D or more

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

- VGL is used in the extremely harsh environment where coolant is being used substantially. This type is suitable for fixed installation and internal / external wiring in devices and equipment.
- Minimum bending radius:

Fixed installation
6D or more

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

- VGBF is used in the extremely harsh environment where coolant is being used substantially, in continuous flexing cycles, and Inside cable carriers. This type is suitable for internal / external wiring in devices and equipment. (Refer to Remarks indicated below)
- EMC
- Minimum bending radius:

Flexing cycle	Fixed installation
10D or more	6D or more

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

- VGBL is used in the extremely harsh environment where coolant is being used substantially. This type is suitable for fixed installation and internal / external wiring in devices and equipment.
- EMC
- Minimum bending radius:

Fixed installation
6D or more

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

- VPGF/VPGBF/VPGWF are used in the extremely harsh environment where coolant is being used substantially, in continuous flexing cycles, and Inside cable carriers. (Refer to Remarks indicated below)
- These types are suitable for internal / external wiring in devices and equipment.
- EMC: (Type:VPGBF/VPGWF)
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VPGF	7.5D or more	4D or more
VPGBF	10D or more	6D or more
VPGWF		

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

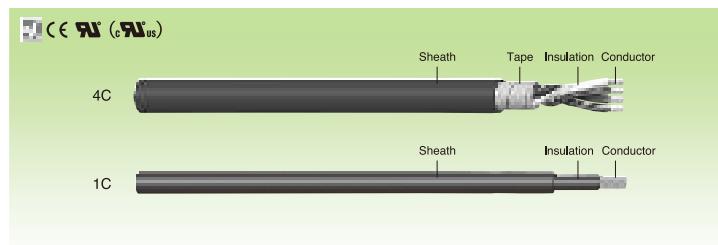
- These types are used in the harsh environment where coolant is being used, and suitable for wiring in a tray / wiring drooping from a tray as well as internal / external wiring in devices and equipment.
- VMF is designed for continuous flexing cycles, and used inside cable carriers. (Refer to Remarks indicated below)
- VML is designed for fixed installation.
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VMF	10D or more	4D or more
VML	—	6D or more

D=Cable outer dia meter

HIGH OIL RESISTANCE TPE+PUR HALOGEN FREE

DESINA - SUPER SANCABLE VDGF*BK,VDGL*BK



APPLICATION/BENDING RADIUS

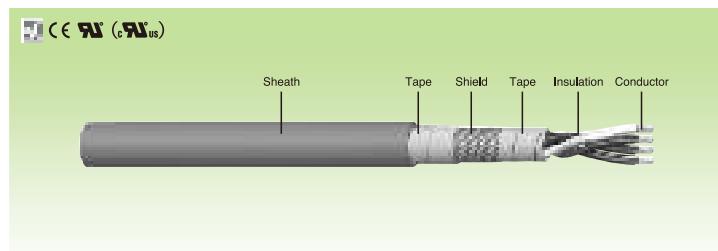
- These types are used in the extremely harsh environment where coolant is being used substantially, and suitable for internal / external wiring in devices and equipment.
- Specially developed for motors / Power supply
- VDGF is designed for continuous flexing cycles and used Inside cable carriers. (Refer to Remarks indicated below)
- VDGL is designed for fixed installation.
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VDGF	7.5D or more	4D or more
VDGL	—	6D or more

D=Cable outer dia meter

HIGH OIL RESISTANCE TPE+PUR EMC HALOGEN FREE

DESINA / BRAIDED SHIELD - SUPER SANCABLE VDGBF*OG,VDGBL*OG



APPLICATION/BENDING RADIUS

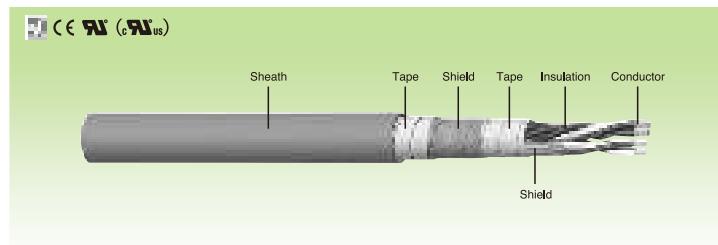
- These types are used in the extremely harsh environment where coolant is being used substantially, and suitable for internal / external wiring in devices and equipment.
- Specially developed for Servo Motor
- VDGBF is designed for continuous flexing cycles and used inside cable carriers. (Refer to Remarks indicated below)
- VDGBL is designed for fixed installation.
- EMC
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VDGBF	10D or more	6D or more
VDGBL	—	6D or more

D=Cable outer dia meter

HIGH OIL RESISTANCE TPE+PUR FLEXING CYCLE COMBINED EMC HALOGEN FREE

DESINA / BRAIDED SHIELD / COMBINED - SUPER SANCABLE VDKGBF*OG



APPLICATION/BENDING RADIUS

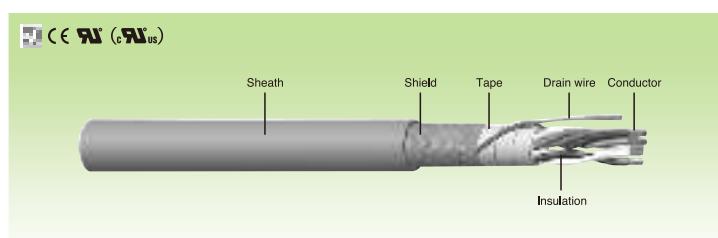
- This type is used in the extremely harsh environment where coolant is being used substantially, in continuous flexing cycles, and inside cable carriers. This type is suitable for internal / external wiring in devices and equipment. (Refer to Remarks indicated below)
- Servo / Inverters
- Motors
- EMC
- Minimum bending radius:

Flexing cycle	Fixed installation
10D or more	6D or more

D=Cable outer dia meter

HIGH OIL RESISTANCE TPE+PUR FLEXING CYCLE FOR FANUC SERVO MOTOR EMC HALOGEN FREE

DEVELOPED FOR FANUC SERVO MOTOR VDKGBF*GN



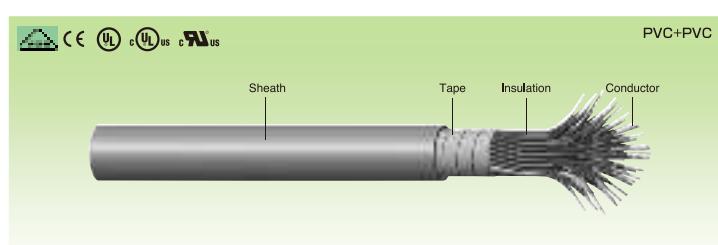
APPLICATION/BENDING RADIUS

- This type is used in the extremely harsh environment where coolant is being used substantially, in continuous flexing cycles, and inside cable carriers. (Refer to Remarks indicated below). This type is suitable for internal / external wiring in devices and equipment.
- Specially developed for FANUC Servo Motor
- EMC
- Minimum bending radius:

Flexing cycle	Fixed installation
10D or more	6D or more

D=Cable outer dia meter

OIL RESISTANCE CL3 WITH 2.5mm² GROUND CONDUCTOR SANCABLE VLTF,VLTL



- These types are used in the harsh environment where coolant is being used, and suitable for wiring in a tray as well as internal / external wiring in devices and equipment.

- Specially developed for production devices / equipment in the automotive industry, and for compliance with NFPA70 Class 2 (300V or less).
- VLTF is designed for continuous flexing cycles, and used inside cable carriers. (Refer to Remarks indicated below). VLTL is designed for fixed installation.
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VLTF	10D or more	4D or more
VLTL	—	6D or more

D=Cable outer dia meter

APPLICATION/BENDING RADIUS

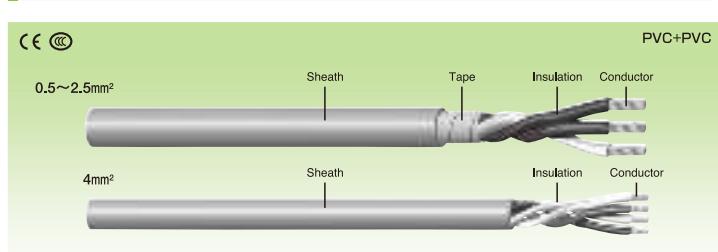
- These types are used in the harsh environment where coolant is being used.
- VZF is designed for continuous flexing cycles, and used inside cable carriers (Refer to Remarks indicated below).
- VZL is designed for fixed installation.
- Minimum bending radius:

Type	Flexing cycle	Fixed installation
VZF	10D or more	4D or more
VZL	—	6D or more

D=Cable outer dia meter

OIL RESISTANCE CCC

SANCABLE VZF,VZL





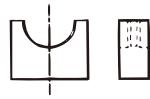
MULTIPLE KEIFLEX CLAMPING KIT

Type EMS



MATERIAL PTFE FEATURE Oil resistance RoHS UL/CSA FLAMMABILITY Flame retardant OTHERS -20~60°C High temp

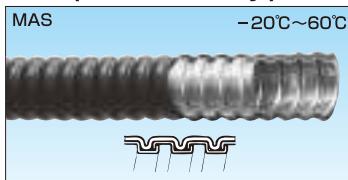
PACKING



CONTENTS

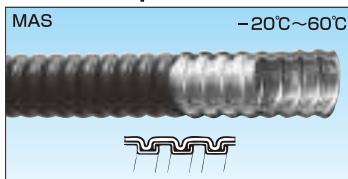
KEIFLEX

KMS (For Machinery)



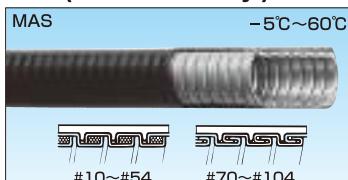
- Machinery
- Fixed installation
- Oil-resistant
- Water-resistant
- Wave type

KMV (For plant installation)



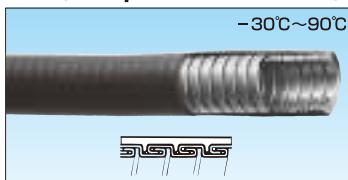
- Plant installation
- Fixed installation
- Weather-resistant
- Water-resistant
- Wave type

KPF (For Machinery)



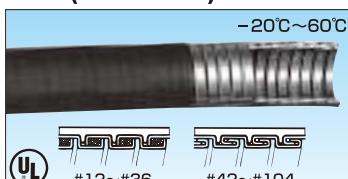
- Machinery
- Continuous flexing cycles
- Oil-resistant
- Water-resistant
- Smooth finish

KIV (For plant installation)



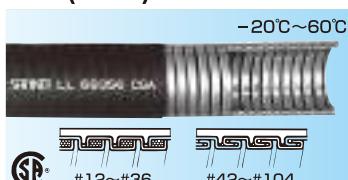
- Plant installation
- Fixed installation
- Weather-resistant / Heat resistant
- Water-resistant
- Smooth finish

KUU (UL Listed)



- UL Listed
- Fixed installation
- Weather-resistant / Flame retardant
- Water-resistant
- Smooth finish

KCS (CSA)



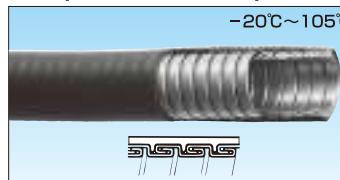
- CSA
- Continuous flexing cycles (KCS12 ~ KCS36 only)
- Flame retardant
- Oil-resistant
- Water-resistant
- Smooth finish

KIC (Weather / Cold resistant)



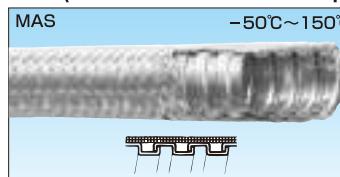
- Plant installation
- Fixed installation
- Outdoor installation
- Weather-resistant / cold-resistant
- Water-resistant
- Smooth finish

KIH (Heat resistant)



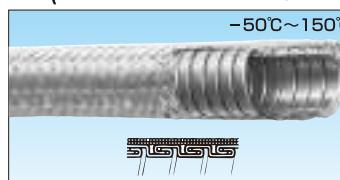
- Nuclear power plant installation
- Fixed installation
- Heat-resistant/Flame retardant
- Water-resistant
- Smooth finish

KMB (Metallic Braided shield / Squire lock structure)



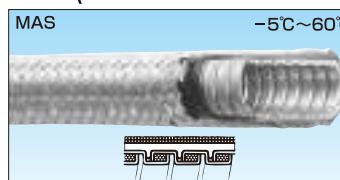
- Machinery/Plant installation
- Fixed installation
- Solution for Electrical noise
- Spatter-resistant
- Non-water resistant

KIB (Metallic Braided shield / Inter lock structure)



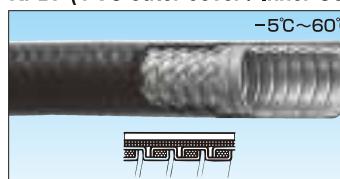
- Machinery/Plant installation
- Fixed installation
- Solution for Electrical noise
- Spatter-resistant
- Tensile strength
- Non-water-resistant

KPFB (PVC inner cover / Outer Metallic Braided shield)



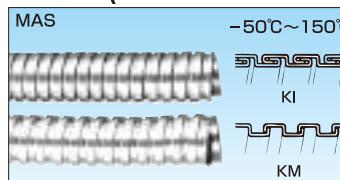
- Machinery/Plant installation
- Continuous flexing cycles
- Solution for Electrical noise
- Spatter-resistant
- Oil-resistant
- Water-resistant

KPBF (PVC outer cover / Inner Copper Braided shield)



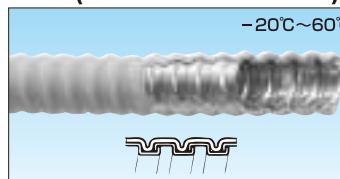
- Machinery
- Continuous flexing cycles
- Solution for earth
- Solution for Electrical noise
- Oil-resistant
- Smooth finish

KM / KI (Non-outer cover type)



- Non-outer cover type
- Machinery/Plant installation
- Fixed installation
- Non-water-resistant

KMS (Smaller outside dia)



- Smaller outside dia
- Machinery/Plant installation
- Fixed installation
- Oil-resistant
- Water-resistant
- Wave type

KEIFLEX - OIL RESISTANT / FIXED INSTALLATION

COLOR Black	COLOR Light gray	FEATURE IP67	FEATURE High Oil resistance	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -20°C ~Highest 60°C	USE Fixed installation
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Type KMS

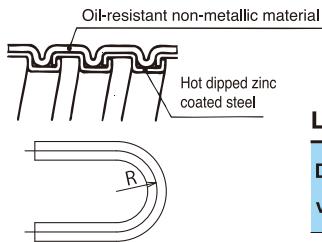
MAS

KEIFLEX Type KMS 16 SANKEI

NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Designed for machine tools
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES

- For environments where oil resistance is NOT so important, KEIFLEX KMV (Suitable for fixed installation / good cost performance) is recommended
- For Continuous flexing cycles, choose KEIFLEX KPF
- Should the outside diameter(13mm or smaller) " is required, refer to the page for SMALLER OUTSIDE DIA KEIFLEX



LONGER COIL LENGTH

Deli- ivery	Item number	M per coil
		Black
○	KMS 10 50	50
○	KMS 12 50	50
○	KMS 16 50	50
○	KMS 22 50	50
○	KMS 28 50	50
○	KMS 36 50	50
■	KMS 42 50	50
■	KMS 54 30	30

Delivery	Item number	Inch	Min. inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread				Weight (kg)		M per coil
						G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
Black	Light gray	Black	Light gray									
○	○	KMS 10	KMS 10 LG	1/4	10.0	15.2	20	—	M20	Pg9	—	0.21
○	○	KMS 12	KMS 12 LG	3/8	12.3	17.7	25	—	M20	Pg11	—	0.24
○	○	KMS 16	KMS 16 LG	1/2	15.8	21.1	35	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.29
○	○	KMS 22	KMS 22 LG	3/4	20.8	26.4	40	G3/4 (CTG22)	M25	Pg21	CTC25	0.42
○	○	KMS 28	KMS 28 LG	1	26.4	33.2	70	G1 (CTG28)	M32	Pg29	CTC31	0.58
○	○	KMS 36	KMS 36 LG	1-1/4	35.0	42.0	70	G1-1/4(CTG36)	M40	Pg36	CTC39	0.77
○	○	KMS 42	KMS 42 LG	1-1/2	40.0	47.7	100	G1-1/2(CTG42)	M50	Pg42	CTC51	1.14
○	○	KMS 54	KMS 54 LG	2	51.3	59.7	175	G2 (CTG54)	M63	Pg48	CTC63	1.25
○	○	KMS 70	KMS 70 LG	2-1/2	63.0	72.5	200	G2-1/2(CTG70)	—	—	CTC75	1.42
○	○	KMS 82	KMS 82 LG	3	78.0	88.4	225	G3 (CTG82)	—	—	—	1.80

KEIFLEX - OIL RESISTANT / CONTINUOUS FLEXING CYCLES

COLOR Black	COLOR Light gray	FEATURE IP67	FEATURE High Oil resistance	FEATURE Hold up to enormously repeated flexing	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -5°C ~Highest 60°C	USE Continuous flexing cycle
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Type KPF

MAS

KEIFLEX Type KPF 16 SANKEI

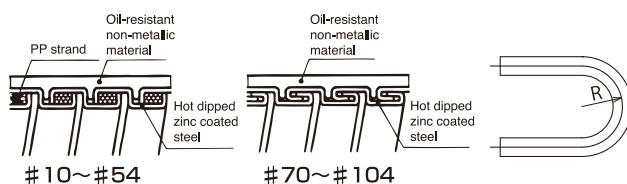
NOTE: Suitable for Continuous flexing cycles (KPF10 ~ KPF54 only)
NOTE: Suitable for fixed installation (KPF70~KPF104 only)

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Must be used for cables

- Cables must be reasonably slack so that they are loose and not firmly stretched or tightly in position inside KEIFLEX
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES
- Available on request : Brown (for the specification for the Japanese traffic

lights. Contact us if it is required)

- For environments where oil resistance is NOT so important, KEIFLEX KIV (Suitable for fixed installation / good cost performance) is recommended



Delivery	Item number	Inch	Min. inside dia.	Outside dia.	Min Bend Radius R		Connectable thread				Weight (kg)		M per coil
					For fixed installation	For flexing cycle	G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
Black	Light gray	Black	Light gray										
○	○	KPF 10	KPF 10 LG	1/4	10.0	15.2	35	80	—	M20	Pg9	—	0.27
○	○	KPF 12	KPF 12 LG	3/8	12.3	17.7	45	90	—	M20	Pg11	—	0.32
○	○	KPF 16	KPF 16 LG	1/2	15.8	21.1	50	110	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.40
○	○	KPF 22	KPF 22 LG	3/4	20.8	26.4	60	140	G3/4 (CTG22)	M25	Pg21	CTC25	0.54
○	○	KPF 28	KPF 28 LG	1	26.4	33.2	75	170	G1 (CTG28)	M32	Pg29	CTC31	0.82
○	○	KPF 36	KPF 36 LG	1-1/4	35.0	42.0	110	210	G1-1/4 (CTG36)	M40	Pg36	CTC39	1.05
○	○	KPF 42	KPF 42 LG	1-1/2	40.0	47.7	150	250	G1-1/2 (CTG42)	M50	Pg42	CTC51	1.35
○	○	KPF 54	KPF 54 LG	2	51.3	59.7	250	450	G2 (CTG54)	M63	Pg48	CTC63	1.73
○	○	KPF 70	KPF 70 LG	2-1/2	63.0	72.5	300	600	G2-1/2 (CTG70)	—	—	CTC75	2.75
○	○	KPF 82	KPF 82 LG	3	78.0	88.4	350	700	G3 (CTG82)	—	—	—	3.94
○	■	KPF 92	KPF 92 LG	3-1/2	88.9	101.1	500	1,000	G3-1/2 (CTG92)	—	—	—	4.84
○	■	KPF 104	KPF104LG	4	101.6	113.8	600	1,200	G4 (CTG104)	—	—	—	5.50

KEIFLEX - UL / FLAME RETARDANT / FIXED INSTALLATION

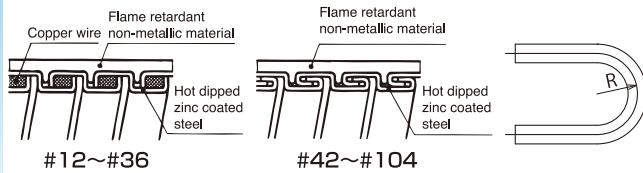
COLOR Black	COLOR Light gray	FEATURE IP67	ENVIRONMENT RoHS	FLAMMABILITY Flame retardant	TEMPERATURE RANGE Lowest -20 °C ~Highest 60°C	USE Fixed installation
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Type KUU



File No. E89958

Type KUU 16 (1 / 2) SANKEI



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Copper wire is used in the structure which can be used as Earth (KUU12 ~ KUU36 only)

• UL Listed - UL360 「Liquid-Tight Flexible Steel Conduit」

• Must be used for UL standard required cables

• Connectable fitting: KM SERIES which complies with UL standard



Delivery		Item number		Inch	Min. inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread				Weight (kg)		M per coil
Black	Light gray	Black	Light gray					G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
○	○	KUU 12	KUU 12 LG	3/8	12.3	17.7	70	—	M20	—	—	0.49	14.7	30
○	○	KUU 16	KUU 16 LG	1/2	15.8	21.1	100	G1/2 (CTG16)	M20	NPT1/2	CTC19	0.59	17.7	30
○	○	KUU 22	KUU 22 LG	3/4	20.8	26.4	130	G3/4 (CTG22)	M25	NPT3/4	CTC25	0.74	14.8	20
○	○	KUU 28	KUU 28 LG	1	26.4	33.2	200	G1 (CTG28)	M32	NPT1	CTC31	1.27	25.4	20
○	○	KUU 36	KUU 36 LG	1-1/4	35.0	42.0	240	G1-1/4(CTG36)	M40	NPT1-1/4	CTC39	1.78	26.7	15
○	○	KUU 42	KUU 42 LG	1-1/2	40.0	47.7	270	G1-1/2(CTG42)	M50	NPT1-1/2	CTC51	1.5	22.5	15
○	○	KUU 54	KUU 54 LG	2	51.3	59.7	320	G2 (CTG54)	M63	NPT2	CTC63	2.0	20.0	10
○	確	KUU 70	KUU 70 LG	2-1/2	63.0	72.5	430	G2-1/2(CTG70)	—	NPT2-1/2	CTC75	3.13	31.3	10
確	確	KUU 82	KUU 82 LG	3	78.0	88.4	500	G3 (CTG82)	—	NPT3	—	4.48	44.8	10
確	確	KUU 92	KUU 92 LG	3-1/2	88.9	101.1	580	G3-1/2(CTG92)	—	NPT3-1/2	—	4.56	27.4	6
確	確	KUU 104	KUU 104 LG	4	101.6	113.8	700	G4 (CTG104)	—	NPT4	—	4.86	29.2	6

KEIFLEX - CSA / OIL RESISTANT / CONTINUOUS FLEXING CYCLES

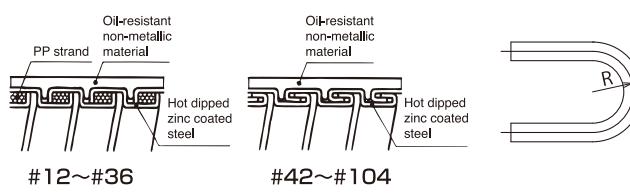
COLOR Black	COLOR Light gray	FEATURE IP67	ENVIRONMENT RoHS	FLAMMABILITY Flame retardant	TEMPERATURE RANGE Lowest -20 °C ~Highest 60°C	USE Continuous flexing cycle
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Type KCS



File No. LL69356

KEIFLEX TYPEKCS SANKEI LL 69356 CSA



NOTE: Can be used for Continuous flexing cycles (KCS12 ~ KCS36 only)

NOTE: Suitable for fixed installation (KCS42 ~ KCS104 only)

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated

• Comply with CSA C22.2No.56 「Flexible Metal Conduits and liquid Tight Flexible Metal Conduit」

• PP strand is used in the structure (KCS12 ~ KCS36 only)

• Must be used for CSA standard required cables

• Connectable fitting: KM SERIES which complies with CSA standard



Delivery		Item number		Inch	Min. inside dia.	Outside dia.	Min Bend Radius R	Connectable thread				Weight (kg)		M per coil	
Black	Light gray	Black	Light gray					For fixed installation	For flexing cycle	G Thread	Metric Thread	Pg Thread	CTC Thread		
○	○	KCS 12	KCS 12 LG	3/8	12.3	17.7	60	120	—	M20	—	—	0.38	11.4	30
○	○	KCS 16	KCS 16 LG	1/2	15.8	21.1	70	140	G1/2 (CTG16)	M20	NPT1/2	CTC19	0.51	15.4	30
○	○	KCS 22	KCS 22 LG	3/4	20.8	26.4	80	160	G3/4 (CTG22)	M25	NPT3/4	CTC25	0.65	13.0	20
○	○	KCS 28	KCS 28 LG	1	26.4	33.2	100	200	G1 (CTG28)	M32	NPT1	CTC31	0.99	19.8	20
○	○	KCS 36	KCS 36 LG	1-1/4	35.0	42.0	130	260	G1-1/4(CTG36)	M40	NPT1-1/4	CTC39	1.27	19.0	15
○	○	KCS 42	KCS 42 LG	1-1/2	40.0	47.7	200	400	G1-1/2(CTG42)	M50	NPT1-1/2	CTC51	1.52	22.8	15
○	○	KCS 54	KCS 54 LG	2	51.3	59.7	280	560	G2 (CTG54)	M63	NPT2	CTC63	2.00	20.0	10
○	確	KCS 70	KCS 70 LG	2-1/2	63.0	72.5	350	700	G2-1/2(CTG70)	—	NPT2-1/2	CTC75	2.75	27.5	10
確	確	KCS 82	KCS 82 LG	3	78.0	88.4	400	800	G3 (CTG82)	—	NPT3	—	3.25	32.5	10
確	確	KCS 92	KCS 92 LG	3-1/2	88.9	101.1	490	1,000	G3-1/2(CTG92)	—	NPT3-1/2	—	3.75	22.5	6
確	確	KCS 104	KCS 104 LG	4	101.6	113.8	560	1,200	G4 (CTG104)	—	NPT4	—	4.38	26.2	6

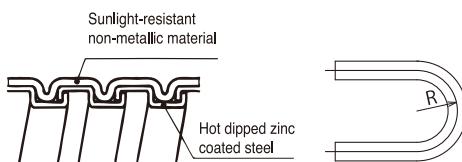
KEIFLEX - WEATHER RESISTANT / PLANT INSTALLATION

Type KMV

MAS



KEIFLEX Type KMV 16 SANKEI



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Good cost performance
- Designed for machinery and plant installation
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES
- When the tensile strength is important, choose KEIFLEX KIV
- For environments where oil resistance is important, KEIFLEX KMS is recommended

LONGER COIL LENGTH

Delivery	Item number	Inch	Min. inside dia.	Outside dia	Min Bend Radius R for fixed installation	Connectable thread				Weight (kg)		M per coil
						G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
確	KMV 10	1/4	10.0	15.2	20	—	M20	Pg9	—	0.21	6.2	30
○	KMV 12	3/8	12.3	17.7	25	—	M20	Pg11	—	0.24	7.2	30
○	KMV 16	1/2	15.8	21.1	35	G1/2 (CTG16)	M20	Pg16/13	CTC19	0.29	8.6	30
○	KMV 22	3/4	20.8	26.4	40	G3/4 (CTG22)	M25	Pg21	CTC25	0.42	8.5	20
○	KMV 28	1	26.4	33.2	70	G1 (CTG28)	M32	Pg29	CTC31	0.58	11.7	20
○	KMV 36	1-1/4	35.0	42.0	70	G1-1/4(CTG36)	M40	Pg36	CTC39	0.77	11.6	15
○	KMV 42	1-1/2	40.0	47.7	100	G1-1/2(CTG42)	M50	Pg42	CTC51	1.14	17.1	15
○	KMV 54	2	51.3	59.7	175	G2 (CTG54)	M63	Pg48	CTC63	1.25	12.5	10
○	KMV 70	2-1/2	63.0	72.5	200	G2-1/2(CTG70)	—	—	CTC75	1.42	14.2	10
○	KMV 82	3	78.0	88.4	225	G3 (CTG82)	—	—	—	1.80	18.0	10

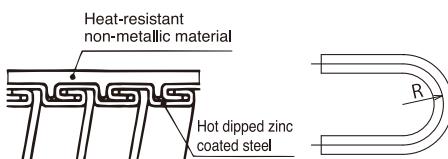
Delivery	Item number	M per coil
○	KMV 12 50	50
○	KMV 16 50	50
○	KMV 22 50	50
○	KMV 28 50	50
■	KMV 36 50	50
■	KMV 42 50	50
■	KMV 54 30	30

KEIFLEX - WEATHER RESISTANT / PLANT INSTALLATION

Type KIV



KEIFLEX Type KIV 16 SANKEI



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Designed for machinery and plant installation
- Good performance in environments where the tensile strength is required
- Excellent performance when used in S / U shape
- Hold up to repeated shakes
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES
- For environments where oil resistance is important, KEIFLEX KPF is recommended
- For environments where cold resistance is important, KEIFLEX KIC is recommended
- For environments where heat resistance is important, KEIFLEX KIH is recommended

Delivery	Item number	Inch	Min. inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread				Weight (kg)		M per coil
						G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
○	KIV 12	3/8	12.3	17.7	70	—	M20	Pg11	—	0.32	9.5	30
○	KIV 16	1/2	15.8	21.1	80	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.40	12.0	30
○	KIV 22	3/4	20.8	26.4	100	G3/4 (CTG22)	M25	Pg21	CTC25	0.54	10.7	20
○	KIV 28	1	26.4	33.2	120	G1 (CTG28)	M32	Pg29	CTC31	0.82	16.4	20
○	KIV 36	1-1/4	35.0	42.0	160	G1-1/4(CTG36)	M40	Pg36	CTC39	1.05	15.7	15
○	KIV 42	1-1/2	40.0	47.7	200	G1-1/2(CTG42)	M50	Pg42	CTC51	1.35	20.2	15
○	KIV 54	2	51.3	59.7	280	G2 (CTG54)	M63	Pg48	CTC63	1.73	17.3	10
○	KIV 70	2-1/2	63.0	72.5	350	G2-1/2(CTG70)	—	—	CTC75			10
○	KIV 82	3	78.0	88.4	400	G3 (CTG82)	—	—	—			10
○	KIV 92	3-1/2	88.9	101.1	500	G3-1/2(CTG92)	—	—	—			6
○	KIV 104	4	101.6	113.8	600	G4 (CTG104)	—	—	—			6

KEIFLEX - COLD RESISTANT / OUTDOOR INSTALLATION / FIXED INSTALLATION

Color	Feature	Feature	Feature	Environment	Temperature Range	Use
Black	IP67	Cold resistance	Limited water resistance	RoHS	Lowest -40°C ~ Highest 60°C	Fixed installation

Type KIC



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Resistant to sunlight and cold temperature
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES

Delivery	Item number	Inch	Min. inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread			Weight (kg)		M per coil
						G Thread	Metric Thread	CTC Thread	Per M	Per coil	
○	KIC 12	3/8	12.3	17.7	70	—	M20	—	0.37	11.0	30
○	KIC 16	1/2	15.8	21.1	80	G1/2 (CTG16)	M20	CTC19	0.51	15.2	30
○	KIC 22	3/4	20.8	26.4	100	G3/4 (CTG22)	M25	CTC25	0.67	13.4	20
○	KIC 28	1	26.4	33.2	120	G1 (CTG28)	M32	CTC31	0.90	18.0	20
○	KIC 36	1-1/4	35.0	42.0	160	G1-1/4 (CTG36)	M40	CTC39	1.15	17.2	15
○	KIC 42	1-1/2	40.0	47.7	200	G1-1/2 (CTG42)	M50	CTC51	1.53	22.9	15
○	KIC 54	2	51.3	59.7	280	G2 (CTG54)	M63	CTC63	1.95	19.5	10
○	KIC 70	2-1/2	63.0	72.5	350	G2-1/2 (CTG70)	—	CTC75	2.83	28.3	10
○	KIC 82	3	78.0	88.4	400	G3 (CTG82)	—	—	4.14	41.4	10
確	KIC 92	3-1/2	88.9	101.1	500	G3-1/2 (CTG92)	—	—	4.12	24.7	6
○	KIC 104	4	101.6	113.8	600	G4 (CTG104)	—	—	5.53	33.2	6
確	KIC 130	5	126.4	140.6	700	G5	—	—	6.15	36.9	6

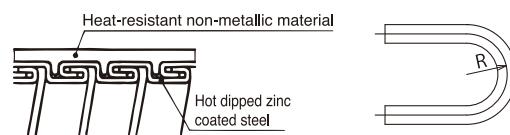
KEIFLEX - HEAT RESISTANT / FIXED INSTALLATION

Color	Feature	Feature	Feature	Environment	Flammability	Temperature Range	Use
Black	IP67	Heat resistance	Radiation resistance	RoHS	High flame retardant	Lowest -20°C ~ Highest 105°C	Fixed installation

Type KIH



Designed for nuclear power plant installation



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- PVC coated
- Inter lock structure
- Designed for nuclear power plant installation, fossil fuel power plant installation, hydraulic power plant installation
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES, K SERIES

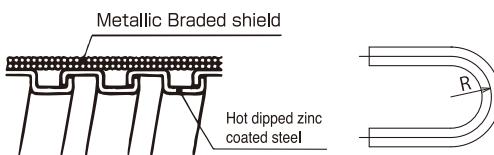
Delivery	Item number	Inch	Min. inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread			Weight (kg)		M per coil
						G Thread	Metric Thread	CTC Thread	Per M	Per coil	
○	KIH 12	3/8	12.3	17.7	70	—	M20	—	0.42	12.6	30
○	KIH 16	1/2	15.8	21.1	80	G1/2 (CTG16)	M20	CTC19	0.51	15.4	30
○	KIH 22	3/4	20.8	26.4	100	G3/4 (CTG22)	M25	CTC25	0.67	13.4	20
○	KIH 28	1	26.4	33.2	120	G1 (CTG28)	M32	CTC31	0.89	17.8	20
○	KIH 36	1-1/4	35.0	42.0	160	G1-1/4 (CTG36)	M40	CTC39	1.14	17.1	15
○	KIH 42	1-1/2	40.0	47.7	200	G1-1/2 (CTG42)	M50	CTC51	1.61	24.1	15
○	KIH 54	2	51.3	59.7	280	G2 (CTG54)	M63	CTC63	2.05	20.5	10
○	KIH 70	2-1/2	63.0	72.5	350	G2-1/2 (CTG70)	—	CTC75	2.88	28.8	10
○	KIH 82	3	78.0	88.4	400	G3 (CTG82)	—	—	4.27	42.7	10
確	KIH 92	3-1/2	88.9	101.1	500	G3-1/2 (CTG92)	—	—	5.50	33.0	6
○	KIH 104	4	101.6	113.8	600	G4 (CTG104)	—	—	4.77	28.6	6
確	KIH 130	5	126.4	140.6	700	G5	—	—	6.15	36.9	6

KEIFLEX - BRAIDED SHIELD / SOLUTION FOR ELECTRICAL NOISE / FIXED INSTALLATION

FEATURE Non-water resistance	FEATURE EMI	FEATURE Spatter resistance	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -50 °C ~Highest 150°C	USE Fixed installation
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Type KMB

MAS



NOTE: Suitable for fixed installation

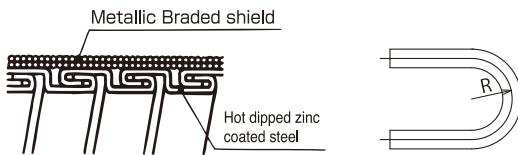
- Flexible conduit
- Hot dipped zinc coated steel
- Metallic Braided shield
- Suitable for high temperature environments / places where welding takes place
- Solution for Electrical noise
- Note: KEIFLEX KMB is UNSUITABLE for twisting movement.
- Heat-resistant cables shall be inserted in high temperature environments
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES / KB SERIES
- NOTE: Fitting KB SERIES must be chosen when heat resistance/higher tensile strength are required

Deliv- ery	Item number	Inch	Min.inside dia.	Outside dia.	Min Bend Radius R		Connectable thread			Weight (kg)		M per coil	
					For fixed installation	Super slow flexing cycle	G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
◎	KMB 10	1/4	10.0	15.0	20	40	—	M20	Pg9	—	0.26	7.8	30
◎	KMB 12	3/8	12.3	17.4	25	50	—	M20	Pg11	—	0.34	10.2	30
◎	KMB 16	1/2	15.8	20.8	35	50	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.39	11.7	30
◎	KMB 22	3/4	20.8	26.0	40	60	G3/4 (CTG22)	M25	Pg21	CTC25	0.55	11.0	20
◎	KMB 28	1	26.4	32.7	70	90	G1 (CTG28)	M32	Pg29	CTC31	0.79	15.7	20
◎	KMB 36	1-1/4	35.0	41.4	70	90	G1-1/4 (CTG36)	M40	Pg36	CTC39	1.02	15.3	15
◎	KMB 42	1-1/2	40.0	47.3	100	120	G1-1/2 (CTG42)	M50	Pg42	CTC51	1.11	16.7	15
◎	KMB 54	2	51.3	58.6	175	200	G2 (CTG54)	M63	Pg48	CTC63	1.53	15.3	10
◎	KMB 70	2-1/2	63.0	71.7	200	250	G2-1/2 (CTG70)	—	—	CTC75	1.77	17.7	10
◎	KMB 82	3	78.0	88.1	225	280	G3 (CTG82)	—	—	—	2.41	24.1	10

KEIFLEX - BRAIDED SHIELD / SOLUTION FOR ELECTRICAL NOISE / FIXED INSTALLATION

FEATURE Non-water resistance	FEATURE EMI	FEATURE Spatter resistance	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -50 °C ~Highest 150°C	USE Fixed installation
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Type KIB



NOTE: Suitable for fixed installation

- Flexible conduit
- Hot dipped zinc coated steel
- Metallic Braided shield
- Suitable for high temperature environments / places where welding takes place.
- Good performance in environments where the tensile strength is required
- Solution for Electrical noise
- Heat-resistant cables shall be inserted in high temperature environments
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KM SERIES / K2 SERIES / KB SERIES
- NOTE: Fitting KB SERIES must be chosen when heat resistance/higher tensile strength are required

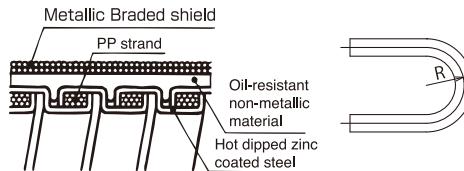
Deliv- ery	Item number	Inch	Min.inside dia.	Outside dia.	Min Bend Radius R for fixed installation	Connectable thread				Weight (kg)		M per coil
						G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
確	KIB 10	1/4	10.0	14.7	60	—	M20	Pg9	—	0.40	12.0	30
◎	KIB 12	3/8	12.3	17.1	60	—	M20	Pg11	—	0.42	12.6	30
◎	KIB 16	1/2	15.8	20.5	100	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.50	15.1	30
◎	KIB 22	3/4	20.8	25.7	120	G3/4 (CTG22)	M25	Pg21	CTC25	0.70	13.9	20
◎	KIB 28	1	26.4	32.4	150	G1 (CTG28)	M32	Pg29	CTC31	0.93	18.5	20
◎	KIB 36	1-1/4	35.0	41.1	180	G1-1/4 (CTG36)	M40	Pg36	CTC39	1.21	18.1	15
◎	KIB 42	1-1/2	40.0	46.1	200	G1-1/2 (CTG42)	M50	Pg42	CTC51	1.47	22.0	15
◎	KIB 54	2	51.3	57.4	250	G2 (CTG54)	M63	Pg48	CTC63	2.00	20.0	10
◎	KIB 70	2-1/2	63.0	69.2	350	G2-1/2 (CTG70)	—	—	CTC75	2.71	27.1	10
◎	KIB 82	3	78.0	85.6	400	G3 (CTG82)	—	—	—	3.99	39.9	10
◎	KIB 104	4	101.6	109.6	700	G4 (CTG104)	—	—	—	5.20	31.2	6

KEIFLEX - OUTER BRAIDED SHIELD / OIL RESISTANT / CONTINUOUS FLEXING CYCLES

FEATURE	FEATURE	FEATURE	FEATURE	ENVIRONMENT	TEMPERATURE RANGE	USE
IP67	Oil resistance	EMI	Spatter resistance	RoHS	Lowest -5°C ~Highest 60°C	Continuous flexing cycle

Type KPFB

MAS



NOTE: Suitable for Continuous flexing cycles

- Flexible conduit
- Hot dipped zinc coated steel
- PVC inner cover
- Outer Metallic Braided shield
- Suitable for places where welding takes place.
- Good performance in environments where the tensile strength is required
- Note: KEIFLEX KPFB is UNSUITABLE for twisting movement
- Must be used for cables
- NOTE: IV wires must NOT be used
- Connectable fitting: KW SERIES

Delivery	Item number	Inch	Min.inside dia.	Outside dia.	Min Bend Radius R		Connectable thread				Weight (kg)		M per coil
					For fixed installation	For flexing cycle	G Thread	Metric Thread	Pg Thread	CTC Thread	Per M	Per coil	
確	KPFB 10	1/4	10.0	16.9	50	100	—	M20	Pg9	—	0.42	12.5	30
○	KPFB 12	3/8	12.3	19.4	60	120	—	M20	Pg11	—	0.50	15.0	30
○	KPFB 16	1/2	15.8	22.8	70	140	G1/2 (CTG16)	M20	Pg16/Pg13.5	CTC19	0.60	18.0	30
○	KPFB 22	3/4	20.8	28.1	80	160	G3/4 (CTG22)	M25	Pg21	CTC25	0.80	16.0	20
○	KPFB 28	1	26.4	34.9	100	200	G1 (CTG28)	M32	Pg29	CTC31	1.22	24.3	20
○	KPFB 36	1-1/4	35.0	43.7	130	260	G1-1/4 (CTG36)	M40	Pg36	CTC39	1.53	23.0	15
確	KPFB 42	1-1/2	40.0	49.4	200	400	G1-1/2 (CTG42)	M50	Pg42	CTC51	2.00	30.0	15
確	KPFB 54	2	51.3	61.4	280	560	G2 (CTG54)	M63	Pg48	CTC63	2.80	28.0	10

K2 SERIES FITTING FOR KNOCKOUT

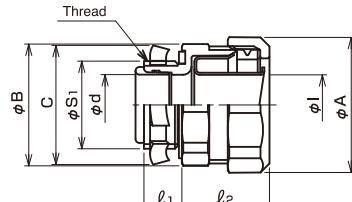
MAIN MATERIAL	SURFACE FINISH	FEATURE	ENVIRONMENT	TEMPERATURE RANGE
ZDC2	Electroplated zinc	IP55	RoHS	Lowest -20°C ~Highest 90°C

KEIFLEX + KNOCKOUT



- Straight connector
- Designed for knockout of Wiring box
- Tensile Strength Classification between Connectable KEIFLEX and Connector
- Connector nominal size 10 : 500N (Medium by JIS)
- Connector nominal size 12 to 54 : 1000N (Heavy by JIS)
- Connector nominal size 70 : 2500N (Very Heavy by JIS)
- * (in the column of "Connectable KEIFLEX" in the chart) denotes KMV, KMS, KIV, KIH, KPF, KIC, KPBF, KMB, KIB

[PARALLEL PIPE THREAD - EXTERNAL THREAD]



Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	φ A	φ B C	φ d φ I	l ₁	l ₂	Thread JIS B 0202 JIS C 8305		Weight (g/piece)	Qty / Package
									φ S1	Nominal size		
○	K2BG10		10	8	26.4	29.0	8.5	12.0	20	20.9	G 1/2	46
○	K2BG12		12	10	28.6	29.0	10.8	12.0	21	20.9	G 1/2	49
○	K2BG16		16	13	32.2	29.0	14.1	12.0	21	20.9	G 1/2	53
○	K2BG22		22	18	39.3	36.0	19.3	12.0	23	26.4	G 3/4	73
○	K2BG28	*	28	24	47.1	44.0	24.6	14.0	25	33.2	G 1	112
○	K2BG36	*	36	32	57.4	53.1	33.0	16.0	29	41.9	G1-1/4	173
○	K2BG42	*	42	37	64.9	61.0	38.2	16.0	34	47.8	G1-1/2	242
○	K2BG54	*	54	48	77.8	74.0	49.3	16.0	33	59.6	G 2	306
確	K2BG70		70	60	92.4	93.0	60.6	15.0	39	75.1	CTG70	2
確	K2BG82		82	75	109.8	106.0	75.5	15.0	41	87.3	CTG82	2



[SCREW THREAD FOR RIGID METAL CONDUIT AND FITTING - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	φ A	φ B C	φ d φ I	l ₁	l ₂	Thread JIS C 8305		Weight (g/piece)	Qty / Package
									φ S1	Nominal size		
○	K2BC12		12	10	28.6	26.3	10.8	12.0	21	19.1	CTC19	43
○	K2BC16		16	12	32.2	28.9	13.1	12.0	21	19.1	CTC19	48
○	K2BC22		22	18	39.3	35.7	19.3	12.0	23	25.4	CTC25	69
○	K2BC28	*	28	24	47.1	43.1	24.6	14.0	25	31.8	CTC31	106
○	K2BC36	*	36	30	57.4	53.1	30.8	16.0	29	38.1	CTC39	164
○	K2BC42	*	42	37	64.9	65.0	38.2	16.0	34	50.8	CTC51	248
○	K2BC54	*	54	48	77.8	79.0	49.5	16.0	33	63.5	CTC63	315
確	K2BC70		70	60	92.4	93.0	60.6	16.0	39	76.2	CTC75	2

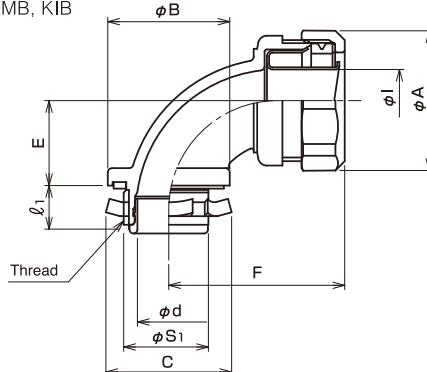
K2 SERIES FITTING FOR KNOCKOUT

MAIN MATERIAL ZDC2	SURFACE FINISH Electroplated zinc	FEATURE IP55	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -20 °C ~Highest 90°C
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KEIFLEX + KNOCKOUT



- 90 degree angle-style connector
- Designed for knockout of Wiring box
- Tensile Strength Classification between Connectable KEIFLEX and Connector
Connector nominal size 10 : 500N (Medium by JIS)
Connector nominal size 12 to 54 : 1000N (Heavy by JIS)
Connector nominal size 70 : 2500N (Very Heavy by JIS)
- ※ (in the column of "Connectable KEIFLEX" in the chart) denotes KMV, KMS, KIV, KIH, KPF, KIC, KPBF, KMB, KIB



90 DEGREE ANGLE STYLE

[PARALLEL PIPE THREAD - EXTERNAL THREAD]



Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	E	F	l_1	Thread JIS B 0202 JIS C 8305		Weight (g/piece)	Qty / Package
										$\phi S1$	Nominal size		
○	K29BG10	※	10	8	26.4	29	8.5	16.2	33	10	20.9	G 1/2	60
○	K29BG12		12	10	28.6	29	10.8	18.6	36	10	20.9	G 1/2	69
○	K29BG16		16	13	32.2	29	14.1	19.5	34	10	20.9	G 1/2	76
○	K29BG22		22	18	39.3	36	19.3	22.2	40	12	26.4	G 3/4	113
○	K29BG28		28	23	47.1	44	24.6	25.8	46	14	33.2	G 1	186
○	K29BG36		36	32	57.4	53	33.0	31.1	55	14	41.9	G1-1/4	285
○	K29BG42		42	37	64.9	61	38.2	35.6	62	16	47.8	G1-1/2	397
○	K29BG54		54	48	77.8	74	49.3	43.0	68	16	59.6	G 2	560
確	K29BG70		70	60	92.4	93	60.6	58.0	84	31	75.1	CTG70	2
確	K29BG82		82	72	109.8	106	75.5	68.0	96	33	87.8	CTG82	2

[SCREW THREAD FOR RIGID METAL CONDUIT AND FITTING - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	E	F	l_1	Thread JIS C 8305		Weight (g/piece)	Qty / Package
										$\phi S1$	Nominal size		
○	K29BC10	※	10	8	26.4	26.5	8.5	16.2	33	10	19.1	CTC19	20
○	K29BC12		12	10	28.6	27.5	10.8	18.6	36	10	19.1	CTC19	72
○	K29BC16		16	12	32.2	29.0	12.8	19.5	38	10	19.1	CTC19	88
○	K29BC22		22	18	39.3	35.5	19.3	24.5	43	12	25.4	CTC25	122
○	K29BC28		28	23	47.1	42.5	24.6	28.5	50	14	31.8	CTC31	183
○	K29BC36		36	30	57.4	50.0	30.8	31.1	58	14	38.1	CTC39	5
○	K29BC42		42	37	64.9	65.0	38.2	40.6	65	16	50.8	CTC51	5
○	K29BC54		54	48	77.8	79.0	49.5	48.0	73	16	63.5	CTC63	2
確	K29BC70		70	59	92.4	93.0	60.6	58.0		31	76.2	CTC75	2

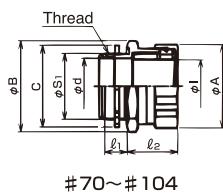
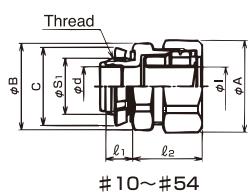


KM SERIES FITTING FOR KNOCKOUT

KEIFLEX + KNOCKOUT

MAIN MATERIAL	ZDC2	SURFACE FINISH	Electroplated zinc
FEATURE	IP67	ENVIRONMENT	RoHS

TEMPERATURE RANGE	Lowest -20 °C ~Highest 90°C
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- Straight connector
- Designed for Knockout of Wiring box
- Tensile Strength Classification between Connectable KEIFLEX and Connector
- Connector nominal size 10 : 500N (Medium by JIS)
- Connector nominal size 12 to 54 : 1000N (Heavy by JIS)
- Connector nominal size 70 or bigger: 2500N (Very Heavy by JIS)
- * (in the column of "Connectable KEIFLEX" in the chart) denotes KMS, KMV, KPF, KIC, KIH, KIV, KPBF, KUU, KUU, KCS, KMB, KIB, KM, KI



[PARALLEL PIPE THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	l_1	l_2	Thread JIS B 0202 JIS C 8305		Weight (g/piece)	Qty / Package
									ϕS_1	Nominal size		
○	KMBG 10 12		10	8	27.5	28.7	8.5	10	20	16.6	G 3/8	47
○	KMBG 10		10	8	27.5	29.0	8.5	10	20	20.9	G 1/2	55
○	KMBG 12 12		12	10	30.4	30.4	10.4	10	22	16.6	G 3/8	55
○	KMBG 12		12	10	30.4	30.4	10.8	10	22	20.9	G 1/2	60
○	KMBG 16		16	13	34.2	30.8	14.1	10	21	20.9	G 1/2	70
○	KMBG 16 22		16	13	34.2	37.2	14.3	12	21	26.4	G 3/4	75
○	KMBG 16 28		16	13	34.2	48.6	14.3	14	22	33.2	G 1	140
○	KMBG 22 16		22	13	41.5	37.7	14.1	10	24	20.9	G 1/2	100
○	KMBG 22		22	18	41.5	38.3	19.3	12	24	26.4	G 3/4	100
○	KMBG 22 36		22	18	41.5	56.5	19.3	14	24	41.9	G 1-1/4	178
○	KMBG 28 16		28	13	48.3	47.0	14.1	10	27	20.9	G 1/2	140
○	KMBG 28 22		28	19	48.3	47.0	20.0	12	27	26.4	G 3/4	140
○	KMBG 28		28	24	48.3	47.0	24.6	14	27	33.2	G 1	160
○	KMBG 36		36	32	58.8	56.5	33.0	14	29	41.9	G 1-1/4	230
○	KMBG 42		42	37	66.8	65.3	38.2	16	32	47.8	G 1-1/2	320
○	KMBG 54		54	48	80.0	80.0	49.3	16	34	59.6	G 2	440
○	KMBG 70		70	60	92.4	93.0	60.6	29	38	75.1	CTG 70	604
○	KMBG 82		82	75	109.8	106.0	75.5	31	41	87.8	CTG 82	799
○	KMBG 92		92	85	123.8	121.0	86.4	32	45	100.3	CTG 92	1172
○	KMBG 104		104	98	137.5	135.0	99.1	32	48	113.0	CTG 104	1280

Available on request: Longer main body type KMBG 10~KMBG28 with 17mm long main body, KMBG36 and KMBG42 with 18mm long main body, KMBG54 with 20mm long main body
For the Item number in [red], more carefully look at the chart to see the information about "Connectable KEIFLEX" and The nominal size of thread"



[METRIC THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	l_1	l_2	Thread JIS C 8463		Weight (g/piece)	Qty / Package
									ϕS_1	Nominal size		
—	KMBM 10 10		10									
○	KMBM 10		10	8	27.5	29.0	8.5	10	20	19.9	M20X1.5	53
—	KMBM 12 12		12									
○	KMBM 12		12	10	30.4	30.4	10.8	10	22	19.9	M20X1.5	63
○	KMBM 16 16		16	10	34.2	30.8	10.6	10	22	15.9	M16X1.5	62
○	KMBM 16		16	13	34.2	32.0	14.1	10	22	19.9	M20X1.5	71
○	KMBM 22 20		22	13	41.5	38.3	14.1	10	24	19.9	M20X1.5	100
○	KMBM 22		22	18	41.5	39.8	18.9	10	24	24.9	M25X1.5	112
○	KMBM 28 25		28	18	48.3	46.8	18.9	10	26	24.9	M25X1.5	143
○	KMBM 28		28	24	48.3	47.0	24.6	12	27	31.9	M32X1.5	162
○	KMBM 36		36	32	58.8	56.5	33.0	12	30	39.9	M40X1.5	228
○	KMBM 42		42	37	66.8	65.3	38.2	14	32	49.9	M50X1.5	325
○	KMBM 54		54	49	80.0	80.0	49.5	14	34	62.9	M63X1.5	446

For the Item number in [red], more carefully look at the chart to see the information about "Connectable KEIFLEX" and The nominal size of thread"

KM SERIES FITTING FOR KNOCKOUT

FEATURE IP67	TEMPERATURE RANGE Lowest -20 °C Highest 90°C
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KEIFLEX + KNOCKOUT

MAIN MATERIAL ZDC2	SURFACE FINISH Electroplated zinc	ENVIRONMENT RoHS
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10~#54



70 or bigger size

MAIN MATERIAL ZDC2	SURFACE FINISH Electroplated zinc	ENVIRONMENT RoHS
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10~#54



70

[NPT THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	ℓ_1	ℓ_2	Thread ANSI B 1.20.1		Weight (g/pc)	Qty / Package	
									$\phi S1$	Nominal size			
○	KMBT 12	※	12	10	30.4	29.2	10.8	10	21	21.2	NPT 1/2	60	20
○	KMBT 16		16	13	34.2	30.8	14.1	10	21	21.2	NPT 1/2	70	20
○	KMBT 22		22	18	41.5	37.7	19.0	12	24	26.5	NPT 3/4	100	20
○	KMBT 28		28	23	48.3	46.8	24.6	14	26	33.2	NPT 1	160	10
○	KMBT 36		36	32	58.8	56.3	33.0	16	29	41.9	NPT 1-1/4	230	10
○	KMBT 42		42	37	66.8	64.8	38.2	16	31	48.0	NPT 1-1/2	320	10
○	KMBT 54		54	48	80.0	79.6	49.3	18	33	60.1	NPT 2	440	5
○	KMBT 70		70	58	92.4	93.0	58.8	20	38	72.8	NPT 2-1/2	644	2
○	KMBT 82		82	75	109.8	106.0	75.5	22	41	88.7	NPT 3	844	2
○	KMBT 92		92	85	123.8	121.0	86.4	24	45	101.4	NPT 3-1/2	1100	1
○	KMBT 104		104	98	137.5	135.0	99.1	24	48	114.1	NPT 4	1352	1

[SCREW THREAD FOR RIGID METAL CONDUIT AND FITTING - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	ℓ_1	ℓ_2	Thread JIS C 8305		Weight (g/pc)	Qty / Package	
									$\phi S1$	Nominal size			
○	KMBC 10	※	10	8	27.5	28.7	8.5	10	20	19.1	CTC19	50	20
○	KMBC 12		12	10	30.4	30.4	10.8	10	22	19.1	CTC19	60	20
○	KMBC 16		16	12	34.2	32.0	13.1	10	22	19.1	CTC19	65	20
○	KMBC 22		22	18	41.5	39.8	19.3	12	24	25.4	CTC25	100	20
○	KMBC 28		28	24	48.3	47.0	24.6	14	27	31.8	CTC31	150	10
○	KMBC 36		36	30	58.8	56.5	30.8	14	30	38.1	CTC39	210	10
○	KMBC 42		42	37	66.8	65.3	38.2	16	32	50.8	CTC51	310	10
○	KMBC 54		54	49	80.0	80.0	49.5	16	34	63.5	CTC63	430	5
○	KMBC 70		70	60	92.4	93.0	60.6	16	38	76.2	CTC75	620	2

NON-METALLIC / BLACK

MAIN MATERIAL PA6	FEATURE Oil resistance	ENVIRONMENT RoHS	FLAMMABILITY UL94VO
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With metallic Lock nut and Metallic Ferrule



[PARALLEL PIPE THREAD - EXTERNAL THREAD] [SCREW THREAD FOR RIGID METAL CONDUIT AND FITTING - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	Thread JIS B 0202		Weight (g/pc)	Qty / Package	Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	Thread JIS C 8305		Weight (g/pc)	Qty / Package		
				$\phi S1$	Nominal size							$\phi S1$	Nominal size				
○	KMBGP 10	※	10	8	20.9	G 1/2	24	20	○	KMBCP 10	※	10	8	19.1	CTC19	24	20
○	KMBGP 12		12	10	20.9	G 1/2	28	20	○	KMBCP 12		12	10	19.1	CTC19	25	20
○	KMBGP 16		16	13	20.9	G 1/2	33	20	○	KMBCP 16		16	12	19.1	CTC19	31	20
○	KMBGP 22		22	18	26.4	G 3/4	47	20	○	KMBCP 22		22	18	25.4	CTC25	45	20
○	KMBGP 28		28	24	33.2	G 1	75	10	○	KMBCP 28		28	24	31.8	CTC31	68	10
○	KMBGP 36		36	32	41.9	G 1-1/4	110	10	○	KMBCP 36		36	30	38.1	CTC39	98	10
○	KMBGP 42		42	37	47.8	G 1-1/2	130	5	○	KMBCP 42		42	37	50.8	CTC51	146	5
○	KMBGP 54		54	48	59.6	G 2	190	5	○	KMBCP 54		54	49	63.5	CTC63	197	5
○	KMBGP 70		70	60	75.1	G 2-1/2	334	2									

BRASS

MAIN MATERIAL Brass

With metallic Lock nut and Metallic Ferrule
Non-Insulator type

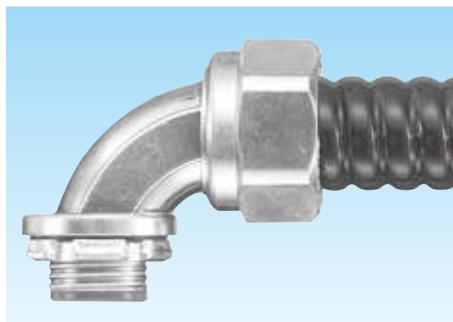


Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	ℓ_1	ℓ_2	Thread JIS B 0202		Weight (g/pc)	Qty / Package	
									$\phi S1$	Nominal size			
○	KMBGC 16	※	16	13	33.0	33.0	14.0	12	21	20.9	G 1/2	68	10
○	KMBGC 22		22	18	40.7	39.6	19.0	12	22	26.4	G 3/4	117	10
○	KMBGC 28		28	24	47.3	46.3	24.4	14	24	33.2	G 1	162	10
○	KMBGC 36		36	32	58.8	57.0	33.0	14	32	41.9	G 1-1/4	230	10
○	KMBGC 42		42	37	67.2	65.2	38.1	16	35	47.8	G 1-1/2	320	5
○	KMBGC 54		54	48	80.8	79.3	49.4	16	39	59.6	G 2	450	5

KM SERIES 90 DEGREE ANGLE STYLE FITTING FOR KNOCKOUT

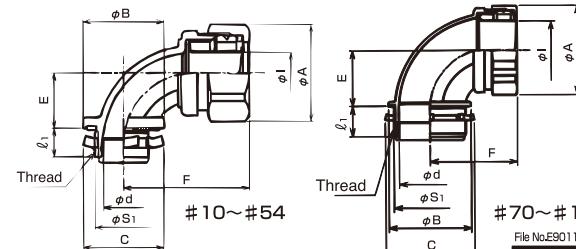
MAIN MATERIAL	SURFACE FINISH	FEATURE	ENVIRONMENT	TEMPERATURE RANGE
ZDC2	Electroplated zinc	IP67	RoHS	Lowest -20°C ~Highest 90°C

KEIFLEX + KNOCKOUT



- 90 degree angle-style connector
- Designed for Knockout of Wiring box
- Tensile Strength Classification between Connectable KEIFLEX and Connector
Connector nominal size 10 : 500N (Medium by JIS)
Connector nominal size 12 to 54 : 1000N (Heavy by JIS)
Connector nominal size 70 or bigger: 2500N (Very Heavy by JIS)

• * (in the column of "Connectable KEIFLEX" in the chart) denotes KMS, KMV, KPF, KIC, KIH, KIV, KPBF, KUU, KCS, KMB, KIB, KM, KI



File No.E90119 File No.LR6357
QUALITY STANDARD QUALITY STANDARD



[PARALLEL PIPE THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	E	F	ℓ_1	Thread JIS B 0202 JIS C 8305		Weight (g/piece)	Qty / Package
										$\phi S1$	Nominal size		
○	KM90BG 10		10	8	27.5	29.0	8.5	16.2	34	10	20.9	G 1/2	70
○	KM90BG 12		12	10	30.4	29.0	10.8	18.6	36	10	20.9	G 1/2	79
○	KM90BG 16		16	13	34.2	29.0	14.1	19.5	35	10	20.9	G 1/2	97
○	KM90BG 16 22		16	13	34.2	36.0	14.3	19.5	35	12	26.4	G 3/4	102
○	KM90BG 22 16		22	13	41.5	32.6	14.1	22.8	52	10	20.9	G 1/2	184
○	KM90BG 22		22	18	41.5	36.0	19.3	22.2	41	12	26.4	G 3/4	150
③	KM90BG 22 28		22	18	41.5	44.0	19.3	22.2	41	14	33.2	G 1	165
③	KM90BG 22 36		22	18	41.5	53.0	19.3	28.2	52	14	41.9	G 1-1/4	206
○	KM90BG 28		28	24	48.3	44.0	24.6	25.8	47	14	33.2	G 1	225
○	KM90BG 28 36		28	24	48.3	53.0	24.8	25.8	47	14	41.9	G 1-1/4	235
○	KM90BG 36		36	32	58.8	53.0	33.0	31.1	54	14	41.9	G 1-1/4	329
③	KM90BG 36 42		36	32	58.8	61.0	33.2	31.1	54	16	47.8	G 1-1/2	340
○	KM90BG 42		42	37	66.8	61.0	38.2	35.6	61	16	47.8	G 1-1/2	600
③	KM90BG 42 54		42	37	66.8	74.0	38.2	35.6	61	16	59.6	G 2	460
○	KM90BG 54		54	48	80.0	74.0	49.3	43.0	68	16	59.6	G 2	880
○	KM90BG 70		70	60	92.4	93.0	60.6	58.0	83	31	75.1	CTG 70	1,129
○	KM90BG 82		82	72	109.8	106.0	75.5	68.0	95	33	87.8	CTG 82	1,551
③	KM90BG 92		92	84	123.8	121.0	86.4	76.0	105	34	100.3	CTG 92	2,065
③	KM90BG 104		104	96	137.5	135.0	99.1	83.0	114	34	113.0	CTG 104	2,590

For the Item number in , more carefully look at the chart to see the information about " Connectable KEIFLEX" and The nominal size of thread"

File No.E90119 File No.LR6357



[METRIC THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	E	F	ℓ_1	Thread JIS C 8463		Weight (g/piece)	Qty / Package
										$\phi S1$	Nominal size		
③	KM90BM 10		10	8	27.5	29.0	8.5	16.2	34	10	19.9	M20X1.5	70
○	KM90BM 12		12	10	30.4	29.0	10.8	18.6	36	10	19.9	M20X1.5	79
○	KM90BM 16		16	13	34.2	29.0	13.8	19.5	39	10	19.9	M20X1.5	98
○	KM90BM 22		22	17	41.5	36.0	18.4	24.5	44	12	24.9	M25X1.5	146
○	KM90BM 28		28	24	48.3	44.0	24.6	28.5	50	14	31.9	M32X1.5	215
③	KM90BM 36		36	30	58.8	53.0	31.0	31.1	58	14	39.9	M40X1.5	337
③	KM90BM 42		42	37	66.8	65.0	38.2	40.6	64	16	49.9	M50X1.5	610
③	KM90BM 54		54	49	80.0	79.0	49.5	48.0	73	16	62.9	M63X1.5	890

File No.E90119 File No.LR6357



[NPT THREAD - EXTERNAL THREAD]

Delivery	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB C	ϕd ϕI	E	F	ℓ_1	Thread ANSI B 1.20.1		Weight (g/piece)	Qty / Package
										$\phi S1$	Nominal size		
○	KM90BT 12		12	10	30.4	29.0	10.8	18.6	36	10	21.2	NPT 1/2	78
○	KM90BT 16		16	13	34.2	29.0	13.8	19.5	39	10	21.2	NPT 1/2	92
○	KM90BT 22		22	18	41.5	36.0	19.0	24.5	44	12	26.5	NPT 3/4	144
○	KM90BT 28		28	23	48.3	44.0	24.6	28.5	50	14	33.2	NPT 1	219
○	KM90BT 36		36	32	58.8	53.0	33.0	31.1	58	14	41.9	NPT 1-1/4	332
○	KM90BT 42		42	37	66.8	62.0	38.2	40.6	64	16	48.0	NPT 1-1/2	600
○	KM90BT 54		54	48	80.0	74.0	49.3	48.0	73	16	60.1	NPT 2	880
○	KM90BT 70		70	58	92.4	93.0	59.1	58.0	83	31	72.8	NPT 2-1/2	1800
○	KM90BT 82		82	74	109.8	106.0	75.5	68.0	95	33	88.7	NPT 3	2650
○	KM90BT 92		92	84	123.8	121.0	86.4	76.0	105	34	101.4	NPT 3-1/2	3390
○	KM90BT 104		104	96	137.5	135.0	99.1	83.0	114	34	114.1	NPT 4	4410

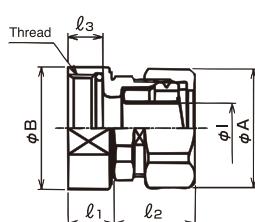
File No.E90119 File No.LR6357



KM SERIES COUPLING FOR MS CONNECTOR

MAIN MATERIAL ZDC2	SURFACE FINISH Electroplated zinc	FEATURE IP67	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -20 °C ~Highest 90°C
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KEIFLEX + MS CONNECTOR (Backshell assembled type)



- Straight combination coupling
- Designed for MS connector (Backshell assembled type).
- Must be fully tightened on MS connector with a tool (Recommended tool: SUPERTOOL MFT68A)
- Tensile Strength Classification between Connectable KEIFLEX and Combination coupling
- Combination coupling nominal size 10 : 500N (Medium by JIS)
- Combination coupling nominal size 12 to 54 : 1000N (Heavy by JIS)
- ※ (in the column of "Connectable KEIFLEX" in the chart) denotes KMS, KMV, KPF, KIC, KIH, KIV, KPBF, KUU, KCS, KMB, KIB, KM, KI

File No.E90119 File No.LR69357
QUALITY STANDARD **QUALITY STANDARD**

Deliver- y	Item number	Connectable KEIFLEX	Cable max outside diameter to be inserted	ϕA	ϕB	ϕI	l_1	l_2	l_3	Connectable MS connector		Weight (g/piece)
										Shell size	Thread ASME B1.1	
○	10 10	10	8	27.5	19.7	8.5	12.8	20	10.3	10SL/12S	5/8- 24UNEF-2B	44
○	10 14				23.4					14S	3/4- 20UNEF-2B	47
③	10 16				26.6					16/16S	7/8- 20UNEF-2B	50
③	10 18				30.0					18	1- 20UNEF-2B	55
○	12 10	12	10	30.4	19.7	10.8	12.8	21	10.3	10SL/12S	5/8 24UNEF-2B	50
○	12 14				23.4					14S	3/4- 20UNEF-2B	55
○	12 16				26.6					16/16S	7/8- 20UNEF-2B	55
○	12 18				30.0					18	1- 20UNEF-2B	60
○	12 20				34.7					20/22	1-3/16-18UNEF-2B	70
○	12 24				41.1					24/28	1-7/16-18UNEF-2B	72
○	16 14	16	13	34.2	23.4	14.3	12.8	21	10.3	14S	3/4- 20UNEF-2B	65
○	16 16				26.6					16/16S	7/8- 20UNEF-2B	65
○	16 18				30.0					18	1- 20UNEF-2B	70
○	16 20				34.7					20/22	1-3/16-18UNEF-2B	65
○	16 24				41.1					24/28	1-7/16-18UNEF-2B	85
○	22 16	KMKM	22	17	26.6	17.9	12.8	21	10.3	14S	7/8- 20UNEF-2B	94
○	22 18				30.0					16/16S	7/8- 20UNEF-2B	100
○	22 20				34.7					18	1- 20UNEF-2B	100
○	22 24				41.1					20/22	1-3/16-18UNEF-2B	110
○	22 32				49.2		14.4	32	11.9	24/28	1-7/16-18UNEF-2B	130
○	22 36				55.6					11.0	36	2- 18UNS-2B
○	28 18	28	24	48.3	30.0	20.9	12.8	26	10.3	18	1- 20UNEF-2B	132
○	28 20				34.7					20/22	1-3/16-18UNEF-2B	130
○	28 24				41.1		24.9	14.4	11.9	24/28	1-7/16-18UNEF-2B	130
○	28 32				49.2					32	1-3/4- 18UNS-2B	150
○	28 36				55.6		16.0			36	2- 18UNS-2B	170
③	36 20	36	30	58.8	34.7	24.9	12.8	29	10.3	20/22	1-3/16-18UNEF-2B	191
○	36 24				41.1					24/28	1-7/16-18UNEF-2B	190
○	36 32				49.2		14.4	11.9	32	11.9	1-3/4- 18UNS-2B	190
○	36 36				55.6					36	2- 18UNS-2B	210
○	42 32	42	37	66.8	49.2	38.2	14.4	31	11.9	32	1-3/4- 18UNS-2B	260
○	42 36				55.6					11.0	36	2- 18UNS-2B
③	42 40				69.1		8.9	12.3	13.5	40	2-1/4- 16UN-2B	270
③	42 48				85.0					16.9	48	3- 16UN-2B
③	54 36	54	44	80.0	55.6	44.9	16.0	33	11.0	36	2- 18UNS-2B	354
③	54 40				62.0		49.5	19.4	13.5	40	2-1/4- 16UN-2B	
③	54 48				80.6					16.9	48	3- 16UN-2B

MOQ: Check with our Sales dept.

EXTENSION ACCESSORY



- Extension accessory for KMKM
- Make it possible for wiring work more efficient
- Look at the page for SANPARTS for more information

MAIN MATERIAL Brass	SURFACE FINISH Electroplated zinc	FEATURE IP67	TEMPERATURE RANGE Lowest -50 °C ~Highest 150°C
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ROBO



NON-METALLIC CORRUGATED FLEXIBLE CONDUIT / NON-METALLIC FLEXIBLE CONDUIT

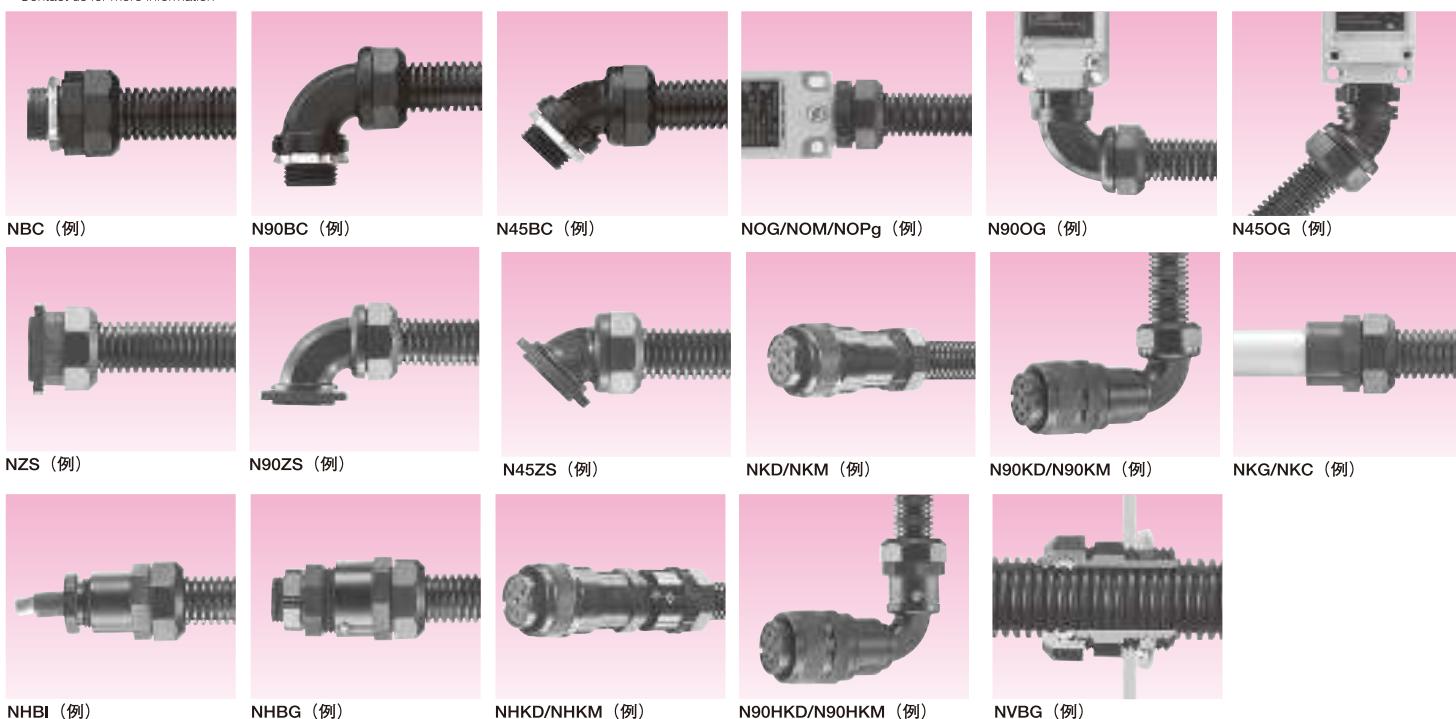
SANFLEKI ROBO

サンフレキROBO

N SERIES FITTING

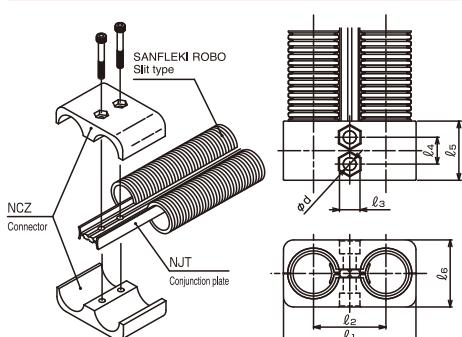
N SERIES FITTING TYPICAL TYPES

- N SERIES FITTING typical types (Size range: no. 12 ~ no. 63)
- Contact us for more information



SANFLEKI ROBO

SANFLEKI ROBO 3D movement system

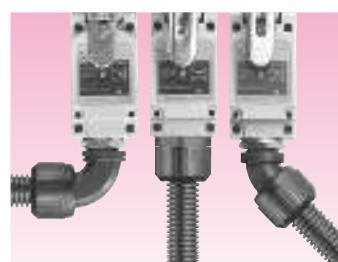


SANFLEKI NT

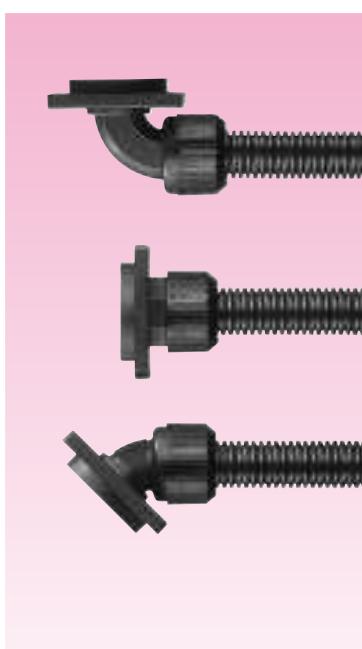
Type NT



FOR ELECTRIC DEVICES



FLANGE TYPE



CABLE GLAND

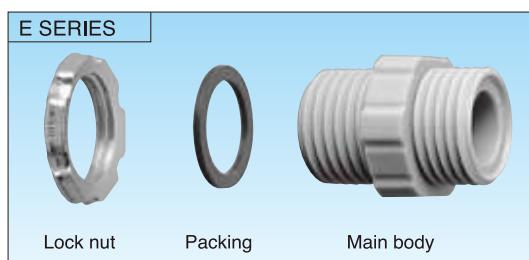
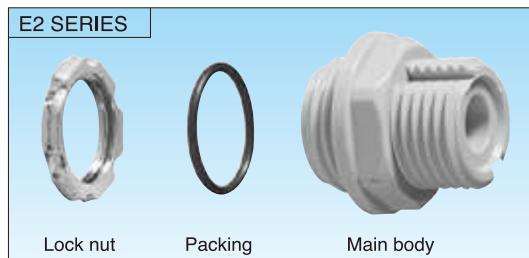
KEIGLAND®

ケイクランド



NON-METALLIC CABLE GLAND

E SERIES, E2 SERIES

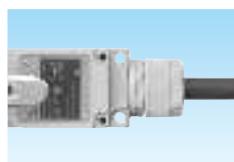


TYPE OF PACKING	
	E2 SERIES E SERIES Packing
	E2M5 SERIES EM5 SERIES Multi - Opening Packing
	E2M SERIES EM SERIES Multi - Opening Packing
	E2** - AS SERIES E** - AS SERIES Packing

E2 SERIES	
	Able to prevent Box nut from being loosened
	Bigger Main body and Box nut than E SERIES
<ul style="list-style-type: none"> The smaller size of knockout is required compared to E SERIES UL/CSA approved products (except some items) 	

E SERIES	
	EBG is an normal type
	EBGP is an outdoor type
<ul style="list-style-type: none"> Smaller Main body and Box nut than E2 SERIES EBG is UL/CSA approved 	

Type E2OG/E2OM/E2OPg



Type E29OG/E29OM/E29OPg



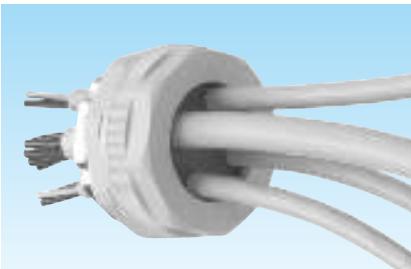
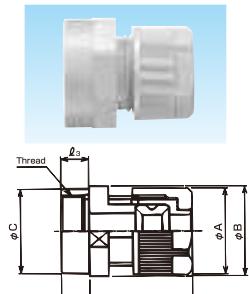
TYPE E2FJ / TYPE EFJ



FOR MS CONNECTOR (Backshell assembled type)

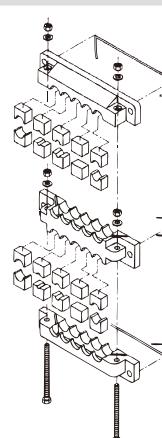


CONSTRUCTION



MULTIPLE CABLE CLAMPING KIT

CONSTRUCTION



- MULTIPLE CABLE CLAMPING KIT
- Designed for wiring boxes
- A wider range of Packing is available
- Excellent space efficiency for cable installation
- Simple assembly method
- Possible to assemble the kit after cable assemblies & wiring harnesses
- Possible to reduce workload
- Water resistance of the connection between Packing and cables; nearly IP65 (pressure 3kPa)
- Water resistance of the connection between MULTIPLE CABLE CLAMPING KIT EMS and knockout of wiring boxes; Nearly IP65 (pressure 3kPa) (When Packing KGPA401 and M6 Box Nut KGPA402 are utilized)
- Note; MULTIPLE CABLE CLAMPING KIT EMS and Packing are separately available.
- Refer to the list of Packing to choose one required when placing a order for MULTIPLE CABLE CLAMPING KIT EMS
- Fix MULTIPLE CABLE CLAMPING KIT EMS to wiring boxes with Hexagon socket head cap screw (Torque; 5 ~ 5.5N · m)
- Assemble Upper, Lower corner plate, and center plate with screwdriver KGT216 (Torque; 2 ~ 2.3N · m)
- MULTIPLE CABLE CLAMPING KIT for KEIFLEX is also available (Please look at the page for KEIFLEX)

METALLIC CABLE GLAND

C2 SERIES

C2 SERIES



TYPE OF PACKING

	C2M5
	C2M6
	C2M8
	C2M9

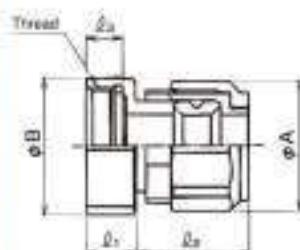


Available from stock
from being classified
UL/CUL approved
products (except some items)

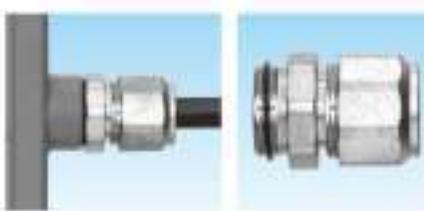
PARALLEL PIPE THREAD - EXTERNAL THREAD



FOR MS CONNECTOR (No backshell type)



Pg THREAD - EXTERNAL THREAD



C2M5 SERIES CABLE GLAND - MULTI OPENING SERIES

FEATURE	PROTEC	PROTEC	PROTEC	PROTEC
IP67	IP67	IP67	IP68	IP68

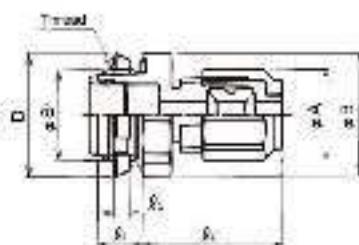
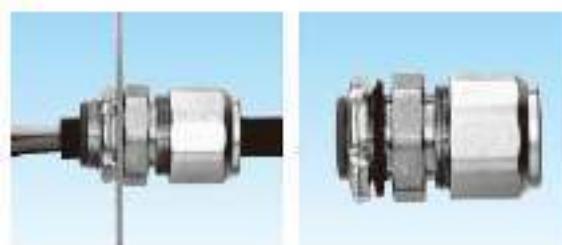
MULTI - OPENING PACKING EM5GP



CABLE GLAND FOR KNOCKOUT

FEATURE	PROTEC	PROTEC	PROTEC	PROTEC
IP67	Hold up to 1000VDC	IP68	Rolls	Low cost - high quality

PARALLEL PIPE THREAD - EXTERNAL THREAD

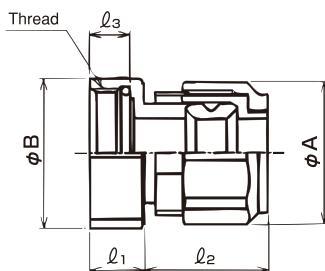


- Straight cable gland
- Designed for knockout fitting boxes

FOR MS CONNECTOR (No backshell type)

MAIN MATERIAL ZDC2	SURFACE FINISH Electroplated zinc	FEATURE IP67	FEATURE Hold up to vibration	ENVIRONMENT RoHS	TEMPERATURE RANGE Lowest -20°C ~Highest 90°C
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FOR MS CONNECTOR (No backshell type)



- Coupling type of Cable gland
- designed for MS connector (Backshell assembled type).
- Must be fully tightened on MS connector with a tool (Recommended tool; SUPERTOOL MFT68A)

File No.E 131807 File No.LR69357
QUALITY STANDARD QUALITY STANDARD

Delivery C2KM	Item number	Cable outside diameter to be inserted		Packing number	ϕA	ϕB	l_1	l_2	l_3	Connectable MS connector		Weight (g/pc)	
		Max.	Min.							Shell size	Thread ASME B1.1		
C2KM	08 10	8	4	8	23.6	19.7	12.8	28	9.5	10SL/12S	5/8-24UNEF-2B	32	
	08 14									14S	3/4-20UNEF-2B	37	
	08 16									16/16S	7/8-20UNEF-2B	42	
	08 18									18	1-20UNEF-2B	44	
	08 20									20/22	1-3/16-18UNEF-2B	55	
	08 24									24/28	1-7/16-18UNEF-2B	73	
	12 10	12	8	12	28.2	19.7	12.8	28	9.5	10SL/12S	5/8-24UNEF-2B	39	
	12 14									14S	3/4-20UNEF-2B	44	
	12 16									16/16S	7/8-20UNEF-2B	46	
	12 18									18	1-20UNEF-2B	50	
	12 20									20/22	1-3/16-18UNEF-2B	60	
	12 24									24/28	1-7/16-18UNEF-2B	81	
	16 14	16	12	16	33.4	23.4	12.8	29	9.5	14S	3/4-20UNEF-2B	79	
	16 16									16/16S	7/8-20UNEF-2B	55	
	16 18									18	1-20UNEF-2B	60	
	16 20									20/22	1-3/16-18UNEF-2B	70	
	16 24									24/28	1-7/16-18UNEF-2B	75	
	16 32									11.1	32	1-3/4-18UNS-2B	115
	16 36									11.0	36	2-18UNS-2B	134
	20 18	20	16	20	39.1	30.0	12.8	31	9.5	18	1-20UNEF-2B	104	
	20 20									20/22	1-3/16-18UNEF-2B	85	
	20 24									24/28	1-7/16-18UNEF-2B	95	
	20 32									11.1	32	1-3/4-18UNS-2B	93
	20 36									11.0	36	2-18UNS-2B	154
	24 20	24	20	24	45.5	35.0	12.8	32	9.5	20/22	1-3/16-18UNEF-2B	102	
	24 24									24/28	1-7/16-18UNEF-2B	110	
	24 32									11.1	32	1-3/4-18UNS-2B	130
	24 36									11.0	36	2-18UNS-2B	149
	28 20	28	24	28	50.1	35.0	12.8	34	9.5	20/22	1-3/16-18UNEF-2B		
	28 24									24/28	1-7/16-18UNEF-2B	130	
	28 32									11.1	32	1-3/4-18UNS-2B	150
	28 36									11.0	36	2-18UNS-2B	160
	32 24	32	28	32	55.5	41.1	12.8	36	9.5	24/28	1-7/16-18UNEF-2B	143	
	32 32									11.1	32	1-3/4-18UNS-2B	162
	32 36									11.0	36	2-18UNS-2B	177
	36 36	36	32	36	60.5	55.6	16.0	37	11.0	36	2-18UNS-2B	227	

• MOQ; Please check with our Sales dept

HUB

TypeRHU



- Hub (Type; RHU)
- Designed to extend the Main body of C2KM
- MS connector wiring work can be done more efficiently
- Please look at a page for SANPARTS for more information.

MAIN MATERIAL Brass	SURFACE FINISH Electroplated zinc	FEATURE IP67	TEMPERATURE RANGE Lowest -50°C ~Highest 150°C
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XDR 050 I/O連接器 XDR 050 I/O Connector



E848414



■ 特點 Features

- 鋼性鉗形端子可供可靠重複插拔
- 斜全金屬導線插頭保證尺寸穩定度
- 螺絲和加墊圈固定提供更堅本規PCB結合式
- 符合EMC/ESD/SUS的干擾，RoHS環保規範，IEEE 1384
- 接觸：14, 20, 26, 36, 50芯觸點
- 插頭外殼：絞繩捲式和卡鉤式
- Wire-on-wire contact for reliable repetitive plugging
- Slanted metal terminal ensure dimension stability
- Screw or ground lock to secure a PCB retention
- EMC/ESD & RoHS SICEE1201 compliant
- Contact: 14, 20, 26, 36, 50
- Plug Sheath: Grommet type or quick release



XM-10信號連接器 XM-10 Signal Connectors

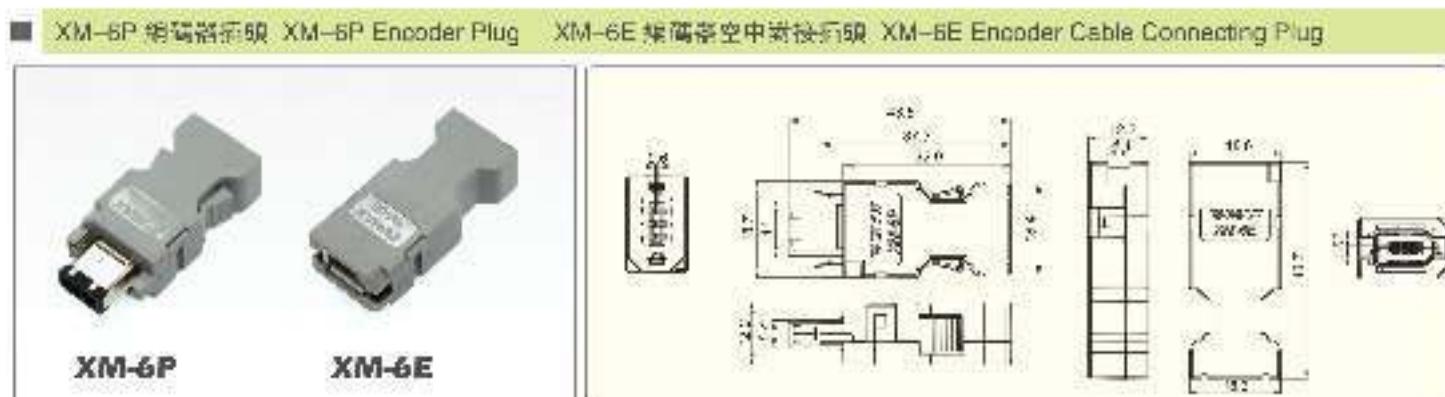


■ 特點 Features

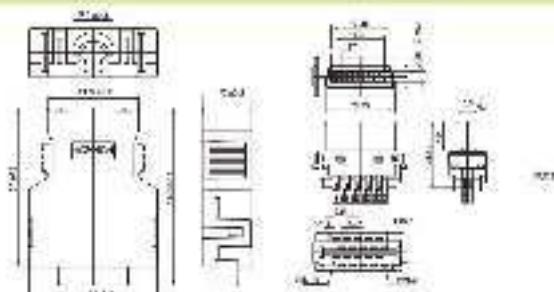
- 10芯信號連接器，可與SCR連接器完全兼容
- 提供插頭配座（XM-10P）和R/A PCB安裝插座（XM-10R）
- 寬條狀全鍍金實現可靠的重複插拔，每芯可耐1A電流
- 10 Poles connector fully compatible with SCR connector
- Supply plug kit (XM-10P) and R/A PCB receptacle (XM-10R)
- Robust ribbon style gold plated contact for reliable repetitive plugging up to 1A per pin



XM-6P連接器 XM-6P Connectors XM-6E連接器 XM-6E Connectors



■ XM-PCR-20F連接器 XM-PCR-20F Connectors



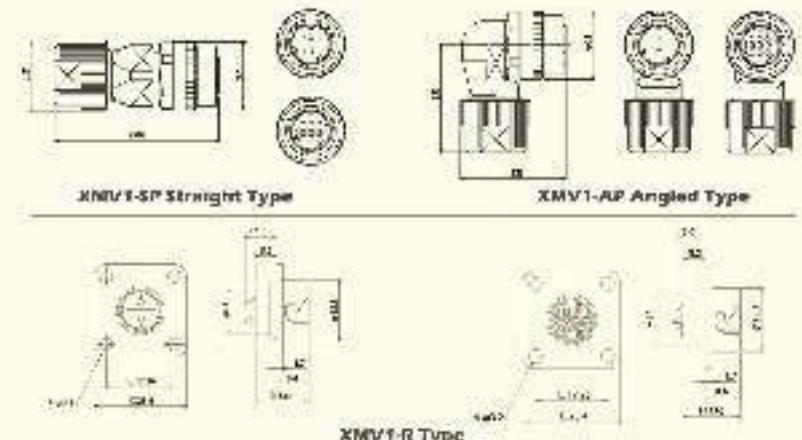


XMV1小型防水連接器 XMV1 Small Waterproof Connectors

RoHS



■ 尺寸圖 Technical Drawing

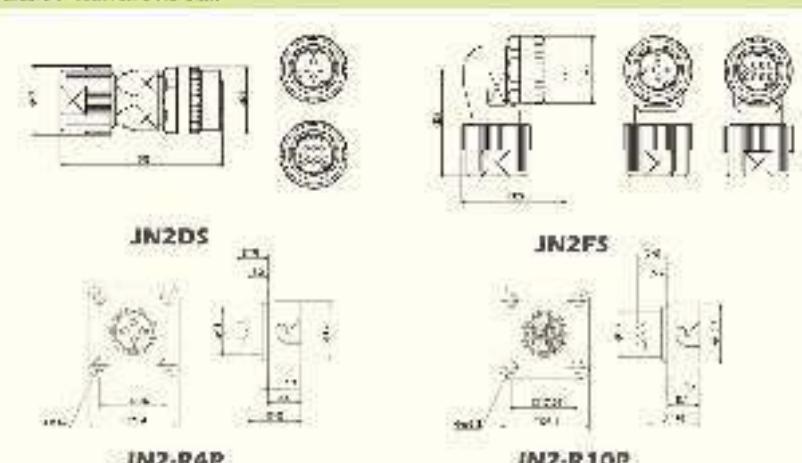


XM-JN2連接器 XM-JN2 Connectors

RoHS



■ 尺寸圖 Technical Drawing



MC小型馬達連接器 MC Micro Motor Connector

RoHS





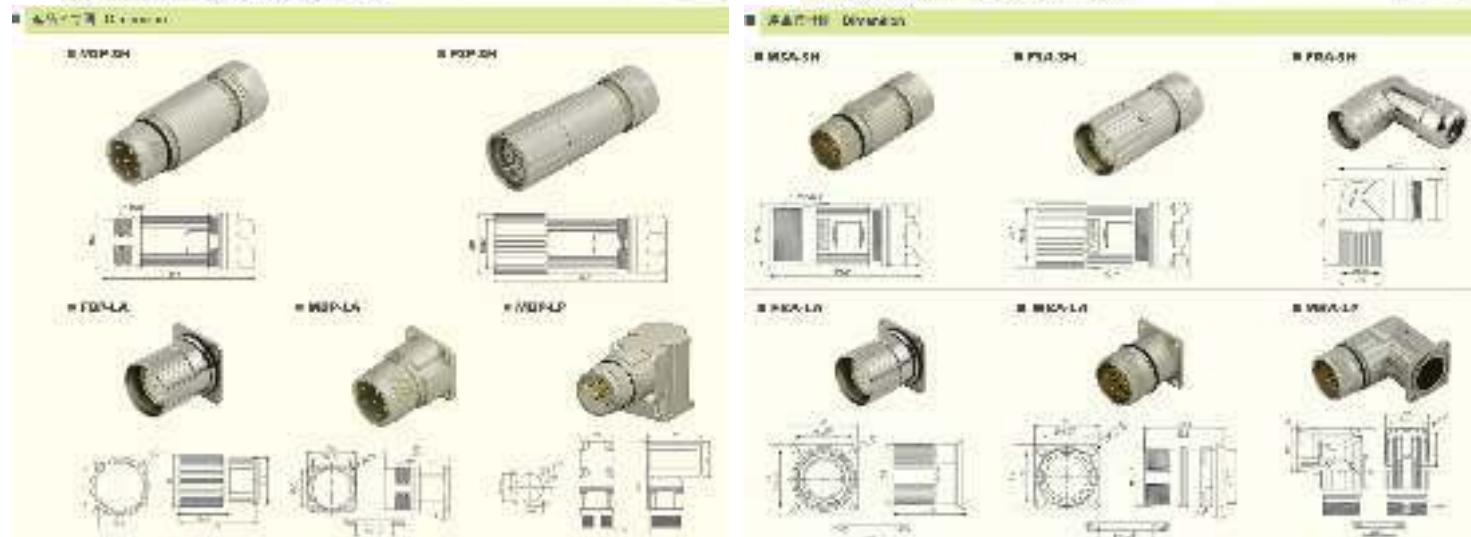
XM23伺服馬達電源連接器
XM23 Servo Motor Power Connector

RoHS

EUMAX

KM23伺服馬達信號連接器
KM23 Servo Motor Signal Connector

RoHS



658 系列高柔軟性拖鏈電纜
658 Series Flexible Track Cable

RoHS



688 系列高強度機器人電纜
688 Series Durable Robot Cable

RoHS



MPS輕巧型手持單元
MPS Handy Pendant Station



XPS手持操作單元
XPS Pendant Station



รับข้อมูลและส่งคำสั่ง

สำหรับเซอร์โวนอโตเมติก, โรบอท(แขนกล),
CNC ฯลฯ: PLC ควบคุม ครอบคลุมทุกยี่ห้อ
รับนำเข้าด้วยน้ำมัน

โปรดติดต่อสอบถามข้อมูลเพิ่มเติมได้ที่ฝ่ายขาย
Tel . 02-895-0751-4

Email : sales@ubg.co.th

Website : www.ubg.co.th



WHMR20 Type



WHMR50 Type



MR-J2M-CN1TB05M
MR-J2M-CN1P02S



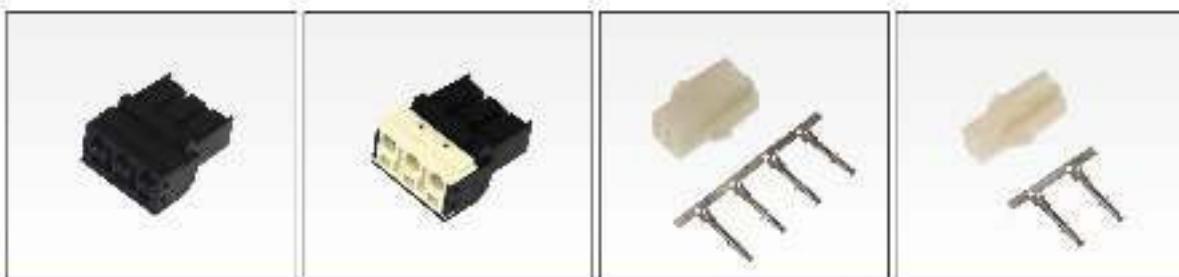
FA伺服系統連接器 FA Servo System Connectors



富士ALPHA5 Smart伺服連接器
FUJI ALPHA5 Smart Servo Connector



型號 P/N	WSK-D26P	WSK-P06P-H	WSK-P09P-D	WSK-P06P-E
歐巴碼號 EUMAX P/N	XCR-0826AE	XN-SP-15130-0573	-172161-0 WT-0C02 17036 1 170362 1	XKF0101-A25-1SE XMF3015-12A



型號 P/N	WSK-S03P-F	WSK-M03P-F	WSK-M04P-E	WSK-M02P-E
歐巴碼號 EUMAX P/N	XMF-03JFAT-SAYGSA-L	XMF-03JFAT-SAYGSA-L	72160-1 XMF20-1	72167-1 XMF20-1



型號 P/N	WSK-M04P-CA	WSK-M04P-CB	WSK-M05P-CA	WSK-M05P-CB
歐巴碼號 EUMAX P/N	XMF0108A15-1CS XMF0108A15-TKA	XMF0108A02-2CS XMF0108A02-TKA	XMF0108A02-5G XMF0108A02-TKA	XMF0108A21-1CS XMF0108A21-TKA

FUJI SERVO SYSTEM
ALPHA5
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