

Kurba Small Horizontal and Vertical



Features

Kurba Small is a direct view, small profile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 100mm bending diameter. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

Applications

Indoor/Outdoor dry & wet location

Materials

Silicone for red list approved, as well as heat, weather, UV, and solvent resistance

Dimming

Dot Free even illumination. Also available with Black Lens

Average Life (L70)

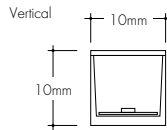
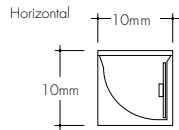
50,000 Hours

Approvals

CE, UKCA, UL676, Class 2, IP67

Warranty

5 years



Finish Options (see page 2 for additional information)

Base ☐ White

Premium ☒ Black



Technical Information

Bending Direction	Horizontal			Vertical		
Output	SO	HO	SO (Black Lens Only)	SO	HO	SO (Black Lens Only)
Light Output at 3000K, 80 CRI	279 lm/m	535 lm/m	20 lm/m	315 lm/m	591 lm/m	23 lm/m
Average Power Consumption	4.5 W/m	9 W/m	4.5 W/m	4.5 W/m	9 W/m	4.5 W/m
Efficacy	62 lm/W	59 lm/W	4 lm/W	70 lm/W	66 lm/W	5 lm/W
Ordering Increment	83.33 mm		41.7 mm	83.33 mm		41.7 mm
Maximum Run Length (In Series)	15.0 m	7.5 m	15.0 m	15.0 m	7.5 m	15.0 m
Operating Temperature	-40°C to 65°C	-40°C to 55°C	-40°C to 65°C	-40°C to 65°C	-40°C to 55°C	-40°C to 65°C

CCT INFO / LUMEN MULTIPLIER (ref. - 3000K)

Bending Direction	Horizontal		Vertical	
CRI	80 CRI	90 CRI	80 CRI	90 CRI
2200K	0.86	0.67	0.85	0.66
2400K	0.92	N/A	0.93	N/A
2700K	0.99	0.82	0.98	0.74
3000K	1.00	0.80	1.00	0.80
3500K	1.01	0.82	1.01	0.82
4000K	0.98	0.84	0.98	0.82

Ordering Code

MODEL	BEND DIRECTION	LENGTH	OUTPUT	CCT ¹	CRI	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBS-W - Kurba Small Wet	HB - Horizontal Bending VB - Vertical Bending	SEE PAGE 5 - 8	SO - Standard HO - High	22K - 2200K 24K - 2400K ¹ 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	R80 - 80CRI R90 - 90CRI	SF - Silicone Frosted	NA - See Page 4 for orderable mounting accessories	WH - White	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side A Feed IMSB - Side B Feed ² NPF - No Power Feed ³	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side A Feed IMSB - Side B Feed ² NPF - No Power Feed ³
BLACK LENS ⁴										
			SO - Standard	26K - 2600K 42K - 4200K	R80 - 80CRI	BL - Black Lens	NA - See Page 4 for orderable mounting accessories	BK - Black		

Feeds come with 3m wire leads

1 - 24K CCT not available with 90CRI
2 - IMSB - Side B Feed not available with HB - Horizontal Bending

3 - NPF-NPF for Feed Position 1&2 is not a valid configuration option

4 - 100 meter minimum order. Additional charges will apply if order less than 100 meter.

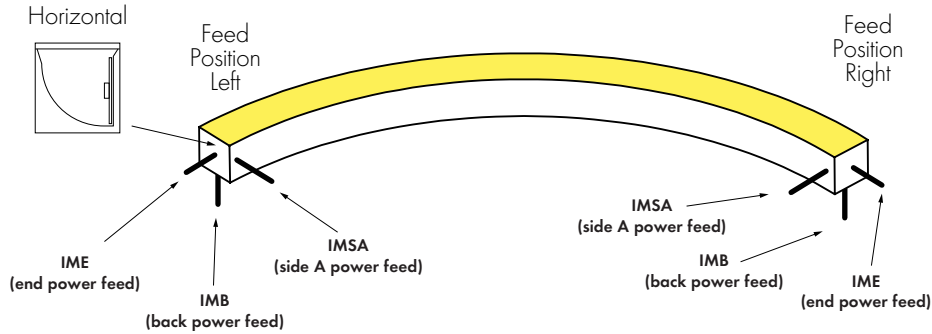


Kurba Small Horizontal and Vertical



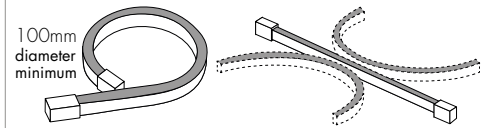
Powerfeeds and Connectors

Power Feed Position Options and Orientation



NOTE: IMSB - Side B Feed not available with HB - Horizontal Bending

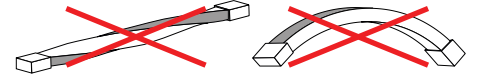
Horizontal Bend Direction



Illuminated surface shown in gray

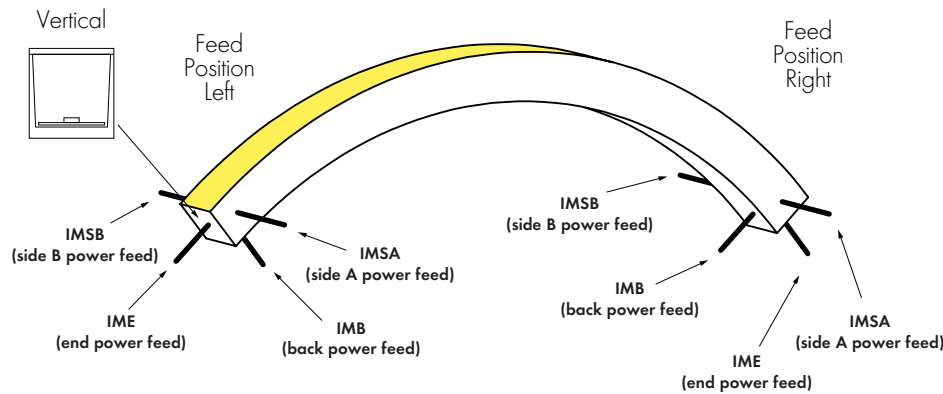
Horizontal Prohibited Bends

Twisting or bending LED in these positions will cause damage



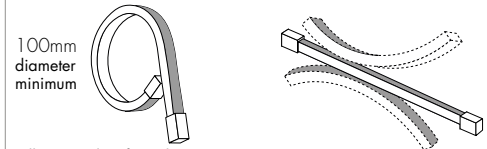
Illuminated surface shown in gray

Do not make sharp bends near the endcap



Vertical Bend Direction

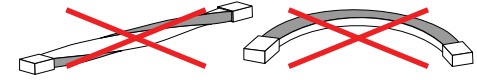
Bend LED in these positions only to avoid damage



Illuminated surface shown in gray

Vertical Prohibited Bends

Twisting or bending LED in these positions will cause damage



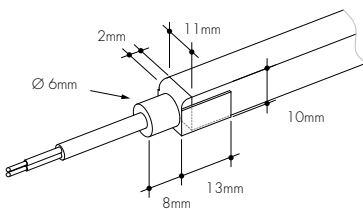
Illuminated surface shown in gray

Do not make sharp bends near the endcap

Linking and Extension Cable Options

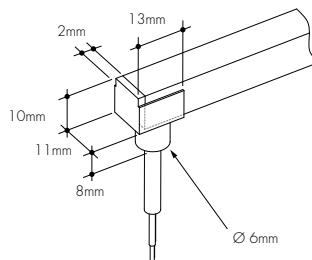
END CONNECTOR

Injection-molded End Connector
-IME



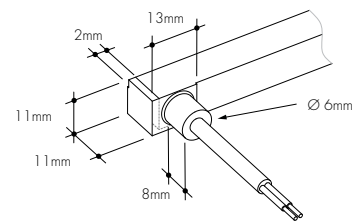
BACK CONNECTOR

Injection-molded Back Connector
-IMB



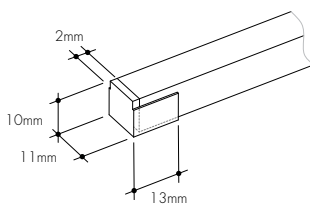
SIDE CONNECTOR

Injection-molded Side Connector
-IMSA and -IMSB



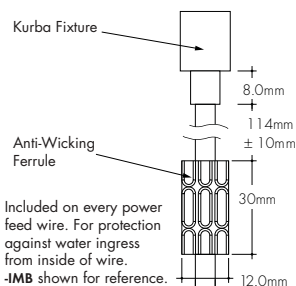
ENDCAP (NO CONNECTOR)

Injection-molded Cap (No Connector)
-NPF



ANTI-WICKING FERRULE

Included on every power feed wire



POWER FEED OPTIONS

Feeds come with 3m wire leads

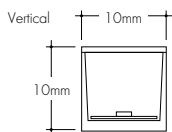
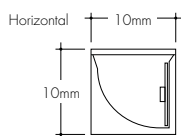


2 Conductor

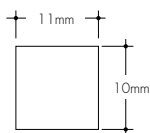


Product Dimensions

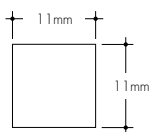
Kurba Small Cross Sections



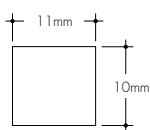
Example Feed Position
IME - NPF
End Feed 1 to
No Power Feed



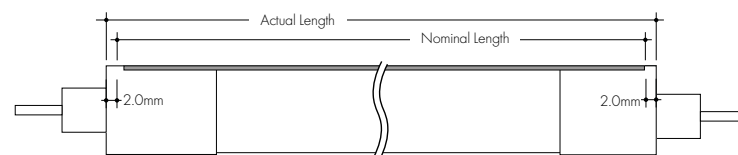
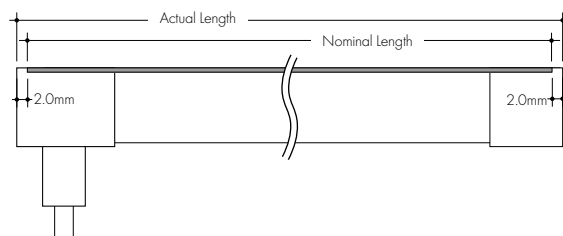
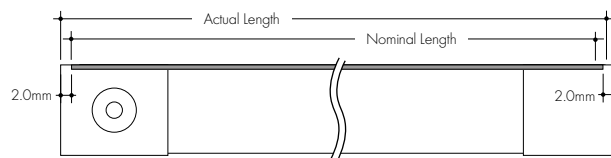
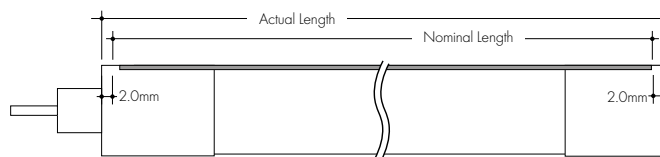
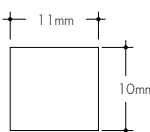
Example Feed Position
IMSA - NPF
Side A Feed to
No Power Feed



Example Feed Position
IMB - NPF
Back Feed 1 to
No Power Feed



Example Feed Position
IME - IME
End Feed 1 and
End Feed 1



Finish Options

- Kurba's base finish is a crisp white which brings a timeless, clean aesthetic that brightens and enhances any space.
- Also available with a blackout aesthetic - the Black Lens paired with the Black Finish provides for a sleek, all black profile that keeps the strip concealed in the off-state.

**White
Base**



**Black Finish w/ Black Lens
Premium**



Light Transmission and Dotting

Output Options	Lens/Finish	
	Silicone Frosted/ White Finish	Black Lens/ Black Finish
SO	ND	N/A
HO	ND	N/A
SO	N/A	ND
Transmission Percentage	100%	7%

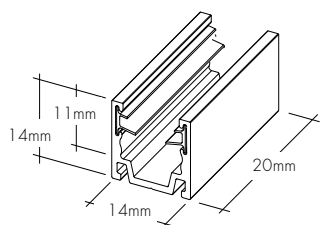


CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

Mounting Accessories & Optional Connectors

MC-KBS-SAP-SM-20MM-SA

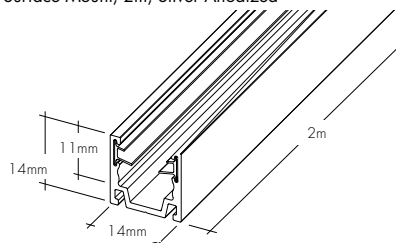
KBS Mounting Clip, Serrated Aluminum Profile, Surface Mount, 20mm, Silver Anodized



Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling. 1 recommended every 200mm.

MC-KBS-SAP-SM-2M-SA

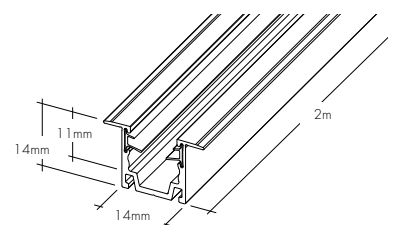
KBS Mounting Channel, Serrated Aluminum Profile, Surface Mount, 2m, Silver Anodized



Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-KBS-FSAP-TR-2M-SA

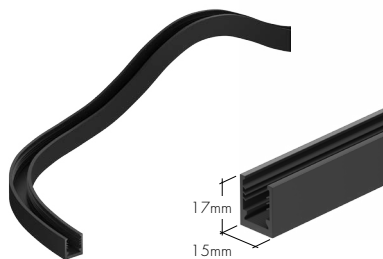
KBS Mounting Channel, Flanged Serrated Aluminum Profile, Trimmed Recessed Mount, 2m, Silver Anodized



Flanged aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-KBS-BANP-3D-SM-1M-XX

KBS Mounting Channel, Bendable Silicone Profile, 3D Bending, Surface Mount, 1m, 300mm bending diameter

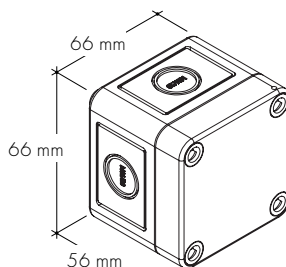


Includes 12 mounting screws

XX	Color
WH	White
BK	Black

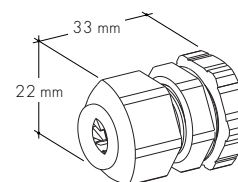
LVSP-IP66

Splice box: wet rated, low voltage, gray, IP66



LVSP-IP66-CM

Connector for splice box, low voltage for cable management, gray, IP66



SO | Orderable Length Chart

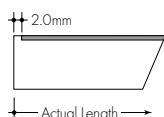
Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

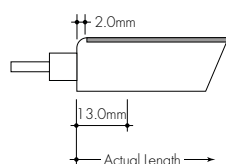
Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)
0.25	0.254	3.25	3.254	6.25	6.254	9.25	9.254	12.25	12.254
0.35	0.337	3.35	3.337	6.35	6.337	9.35	9.337	12.35	12.337
0.40	0.421	3.40	3.421	6.40	6.420	9.40	9.420	12.40	12.420
0.50	0.504	3.50	3.504	6.50	6.504	9.50	9.504	12.50	12.504
0.60	0.587	3.60	3.587	6.60	6.587	9.60	9.587	12.60	12.587
0.65	0.671	3.65	3.671	6.65	6.670	9.65	9.670	12.65	12.670
0.75	0.754	3.75	3.754	6.75	6.754	9.75	9.754	12.75	12.753
0.85	0.837	3.85	3.837	6.85	6.837	9.85	9.837	12.85	12.837
0.90	0.921	3.90	3.921	6.90	6.920	9.90	9.920	12.90	12.920
1.00	1.004	4.00	4.004	7.00	7.004	10.00	10.004	13.00	13.003
1.10	1.087	4.10	4.087	7.10	7.087	10.10	10.087	13.10	13.087
1.15	1.171	4.15	4.171	7.15	7.170	10.15	10.170	13.15	13.170
1.25	1.254	4.25	4.254	7.25	7.254	10.25	10.254	13.25	13.253
1.35	1.337	4.35	4.337	7.35	7.337	10.35	10.337	13.35	13.337
1.40	1.421	4.40	4.420	7.40	7.420	10.40	10.420	13.40	13.420
1.50	1.504	4.50	4.504	7.50	7.504	10.50	10.504	13.50	13.503
1.60	1.587	4.60	4.587	7.60	7.587	10.60	10.587	13.60	13.587
1.65	1.671	4.65	4.670	7.65	7.670	10.65	10.670	13.65	13.670
1.75	1.754	4.75	4.754	7.75	7.754	10.75	10.754	13.75	13.753
1.85	1.837	4.85	4.837	7.85	7.837	10.85	10.837	13.85	13.837
1.90	1.921	4.90	4.920	7.90	7.920	10.90	10.920	13.90	13.920
2.00	2.004	5.00	5.004	8.00	8.004	11.00	11.004	14.00	14.003
2.10	2.087	5.10	5.087	8.10	8.087	11.10	11.087	14.10	14.087
2.15	2.171	5.15	5.170	8.15	8.170	11.15	11.170	14.15	14.17
2.25	2.254	5.25	5.254	8.25	8.254	11.25	11.254	14.25	14.253
2.35	2.337	5.35	5.337	8.35	8.337	11.35	11.337	14.35	14.337
2.40	2.421	5.40	5.420	8.40	8.420	11.40	11.420	14.40	14.420
2.50	2.504	5.50	5.504	8.50	8.504	11.50	11.504	14.50	14.503
2.60	2.587	5.60	5.587	8.60	8.587	11.60	11.587	14.60	14.587
2.65	2.671	5.65	5.670	8.65	8.670	11.65	11.670	14.65	14.670
2.75	2.754	5.75	5.754	8.75	8.754	11.75	11.754	14.75	14.753
2.85	2.837	5.85	5.837	8.85	8.837	11.85	11.837	14.85	14.837
2.90	2.921	5.90	5.920	8.90	8.920	11.90	11.920	14.90	14.920
3.00	3.004	6.00	6.004	9.00	9.004	12.00	12.004	15.00	15.003
3.10	3.087	6.10	6.087	9.10	9.087	12.10	12.087		
3.15	3.171	6.15	6.170	9.15	9.170	12.15	12.170		

Note: all values are rounded to the nearest 2.5 mm

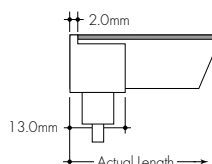
Endcap (No Connector) -NPF



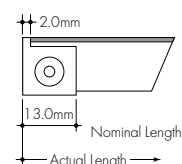
End Connector -IME



Back Connector -IMB



Side Connector -IMSA and -IMSB



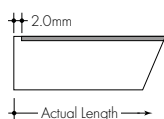
HO | Orderable Length Chart

Use Actual Length for Order Code Entry

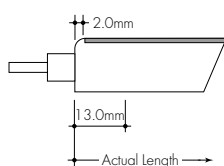
Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)
0.25	0.254	3.25	3.254	6.25	6.254
0.35	0.337	3.35	3.337	6.35	6.337
0.40	0.421	3.40	3.421	6.40	6.420
0.50	0.504	3.50	3.504	6.50	6.504
0.60	0.587	3.60	3.587	6.60	6.587
0.65	0.671	3.65	3.671	6.65	6.670
0.75	0.754	3.75	3.754	6.75	6.754
0.85	0.837	3.85	3.837	6.85	6.837
0.90	0.921	3.90	3.921	6.90	6.920
1.00	1.004	4.00	4.004	7.00	7.004
1.10	1.087	4.10	4.087	7.10	7.087
1.15	1.171	4.15	4.171	7.15	7.170
1.25	1.254	4.25	4.254	7.25	7.254
1.35	1.337	4.35	4.337	7.35	7.337
1.40	1.421	4.40	4.420	7.40	7.420
1.50	1.504	4.50	4.504	7.50	7.504
1.60	1.587	4.60	4.587		
1.65	1.671	4.65	4.670	Note: all values are rounded to the nearest 2.5 mm	
1.75	1.754	4.75	4.754		
1.85	1.837	4.85	4.837		
1.90	1.921	4.90	4.920		
2.00	2.004	5.00	5.004		
2.10	2.087	5.10	5.087		
2.15	2.171	5.15	5.170		
2.25	2.254	5.25	5.254		
2.35	2.337	5.35	5.337		
2.40	2.421	5.40	5.420		
2.50	2.504	5.50	5.504		
2.60	2.587	5.60	5.587		
2.65	2.671	5.65	5.670		
2.75	2.754	5.75	5.754		
2.85	2.837	5.85	5.837		
2.90	2.921	5.90	5.920		
3.00	3.004	6.00	6.004		
3.10	3.087	6.10	6.087		
3.15	3.171	6.15	6.170		

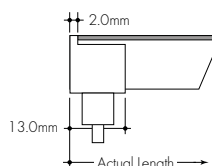
Endcap (No Connector) -NPF



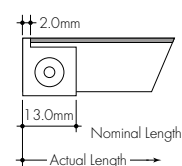
End Connector -IME



Back Connector -IMB



Side Connector -IMSA and -IMSB



SO | Orderable Length Chart

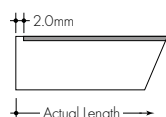
Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

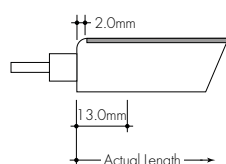
Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)
0.20	0.212	1.70	1.712	3.20	3.213	4.70	4.713	6.20	6.213
0.25	0.254	1.75	1.754	3.25	3.254	4.75	4.754	6.25	6.255
0.30	0.296	1.80	1.796	3.30	3.296	4.80	4.796	6.30	6.296
0.35	0.337	1.85	1.837	3.35	3.338	4.85	4.838	6.35	6.338
0.40	0.379	1.90	1.879	3.40	3.379	4.90	4.879	6.40	6.380
0.40	0.421	1.90	1.921	3.40	3.421	4.90	4.921	6.40	6.421
0.45	0.462	1.95	1.962	3.45	3.463	4.95	4.963	6.45	6.463
0.50	0.504	2.00	2.004	3.50	3.504	5.00	5.004	6.50	6.505
0.55	0.546	2.05	2.046	3.55	3.546	5.05	5.046	6.55	6.546
0.60	0.587	2.10	2.088	3.60	3.588	5.10	5.088	6.60	6.588
0.65	0.629	2.15	2.129	3.65	3.629	5.15	5.129	6.65	6.630
0.65	0.671	2.15	2.171	3.65	3.671	5.15	5.171	6.65	6.671
0.70	0.712	2.20	2.213	3.70	3.713	5.20	5.213	6.70	6.713
0.75	0.754	2.25	2.254	3.75	3.754	5.25	5.254	6.75	6.755
0.80	0.796	2.30	2.296	3.80	3.796	5.30	5.296	6.80	6.796
0.85	0.837	2.35	2.338	3.85	3.838	5.35	5.338	6.85	6.838
0.90	0.879	2.40	2.379	3.90	3.879	5.40	5.379	6.90	6.88
0.90	0.921	2.40	2.421	3.90	3.921	5.40	5.421	6.90	6.921
0.95	0.962	2.45	2.463	3.95	3.963	5.45	5.463	6.95	6.963
1.00	1.004	2.50	2.504	4.00	4.004	5.50	5.504	7.00	7.005
1.05	1.046	2.55	2.546	4.05	4.046	5.55	5.546	7.05	7.046
1.10	1.087	2.60	2.588	4.10	4.088	5.60	5.588	7.10	7.088
1.15	1.129	2.65	2.629	4.15	4.129	5.65	5.629	7.15	7.130
1.15	1.171	2.65	2.671	4.15	4.171	5.65	5.671	7.15	7.171
1.20	1.212	2.70	2.713	4.20	4.213	5.70	5.713	7.20	7.213
1.25	1.254	2.75	2.754	4.25	4.254	5.75	5.754	7.25	7.255
1.30	1.296	2.80	2.796	4.30	4.296	5.80	5.796	7.30	7.296
1.35	1.337	2.85	2.838	4.35	4.338	5.85	5.838	7.35	7.338
1.40	1.379	2.90	2.879	4.40	4.379	5.90	5.879	7.40	7.380
1.40	1.421	2.90	2.921	4.40	4.421	5.90	5.921	7.40	7.421
1.45	1.462	2.95	2.963	4.45	4.463	5.95	5.963	7.45	7.463
1.50	1.504	3.00	3.004	4.50	4.504	6.00	6.004	7.50	7.505
1.55	1.546	3.05	3.046	4.55	4.546	6.05	6.046	7.55	7.546
1.60	1.587	3.10	3.088	4.60	4.588	6.10	6.088	7.60	7.588
1.65	1.629	3.15	3.129	4.65	4.629	6.15	6.129		
1.65	1.671	3.15	3.171	4.65	4.671	6.15	6.171		

Note: all values are rounded to the nearest 2.5 mm

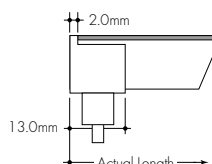
Endcap (No Connector) -NPF



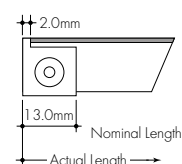
End Connector -IME



Back Connector -IMB



Side Connector -IMSA and -IMSB



SO | Orderable Length Chart

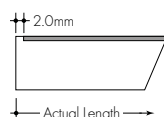
Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

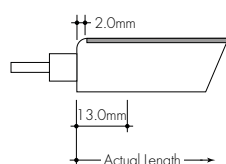
Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)	Nominal Length (m)	Actual Length (m)
7.65	7.630	9.15	9.130	10.65	10.630	12.15	12.130	13.65	13.630
7.65	7.671	9.15	9.171	10.65	10.672	12.15	12.172	13.65	13.672
7.70	7.713	9.20	9.213	10.70	10.713	12.20	12.213	13.70	13.713
7.75	7.755	9.25	9.255	10.75	10.755	12.25	12.255	13.75	13.755
7.80	7.796	9.30	9.296	10.80	10.797	12.30	12.297	13.80	13.797
7.85	7.838	9.35	9.338	10.85	10.838	12.35	12.338	13.85	13.838
7.90	7.880	9.40	9.380	10.90	10.880	12.40	12.380	13.90	13.880
7.90	7.921	9.40	9.421	10.90	10.922	12.40	12.422	13.90	13.922
7.95	7.963	9.45	9.463	10.95	10.963	12.45	12.463	13.95	13.963
8.00	8.005	9.50	9.505	11.00	11.005	12.50	12.505	14.00	14.005
8.05	8.046	9.55	9.546	11.05	11.047	12.55	12.547	14.05	14.047
8.10	8.088	9.60	9.588	11.10	11.088	12.60	12.588	14.10	14.088
8.15	8.130	9.65	9.630	11.15	11.130	12.65	12.630	14.15	14.130
8.15	8.171	9.65	9.671	11.15	11.172	12.65	12.672	14.15	14.172
8.20	8.213	9.70	9.713	11.20	11.213	12.70	12.713	14.20	14.213
8.25	8.255	9.75	9.755	11.25	11.255	12.75	12.755	14.25	14.255
8.30	8.296	9.80	9.796	11.30	11.297	12.80	12.797	14.30	14.297
8.35	8.338	9.85	9.838	11.35	11.338	12.85	12.838	14.35	14.338
8.40	8.380	9.90	9.880	11.40	11.380	12.90	12.880	14.40	14.380
8.40	8.421	9.90	9.921	11.40	11.422	12.90	12.922	14.40	14.422
8.45	8.463	9.95	9.963	11.45	11.463	12.95	12.963	14.45	14.463
8.50	8.505	10.00	10.005	11.50	11.505	13.00	13.005	14.50	14.505
8.55	8.546	10.05	10.046	11.55	11.547	13.05	13.047	14.55	14.547
8.60	8.588	10.10	10.088	11.60	11.588	13.10	13.088	14.60	14.589
8.65	8.630	10.15	10.130	11.65	11.630	13.15	13.130	14.65	14.630
8.65	8.671	10.15	10.171	11.65	11.672	13.15	13.172	14.65	14.672
8.70	8.713	10.20	10.213	11.70	11.713	13.20	13.213	14.70	14.714
8.75	8.755	10.25	10.255	11.75	11.755	13.25	13.255	14.75	14.755
8.80	8.796	10.30	10.296	11.80	11.797	13.30	13.297	14.80	14.797
8.85	8.838	10.35	10.338	11.85	11.838	13.35	13.338	14.85	14.839
8.90	8.880	10.40	10.380	11.90	11.880	13.40	13.380	14.90	14.880
8.90	8.921	10.40	10.422	11.90	11.922	13.40	13.422	14.90	14.922
8.95	8.963	10.45	10.463	11.95	11.963	13.45	13.463	14.95	14.964
9.00	9.005	10.50	10.505	12.00	12.005	13.50	13.505	15.00	15.005
9.05	9.046	10.55	10.547	12.05	12.047	13.55	13.547		
9.10	9.088	10.60	10.588	12.10	12.088	13.60	13.588		

Note: all values are rounded to the nearest 2.5 mm

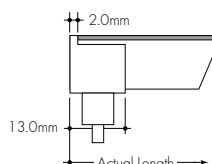
Endcap (No Connector) -NPF



End Connector -IME



Back Connector -IMB



Side Connector -IMSA and -IMSB

