

SKINTOP® MS-SC

Nickel-Plated Strain Relief for EMC Applications with NPT, PG & Metric Thread



SKINTOP® MS-SC is uniquely designed to address EMI concerns with its simplified grounding feature. In a few easy steps the cable is grounded, strain relieved, and sealed from moisture and dust in accordance with IP68. The cable glands' contact springs establish a continuous electrical path from the shield of the cable to the equipment ground, creating a secure shield connection.

Application Advantage

- Optimal EMC protection
- Suitable for braid-shielded cable
- Minimal assembly steps
- The contact springs' unique design can accept cable diameters with wide dimensional tolerances
- Available in both standard and long length threads for heavy wall applications

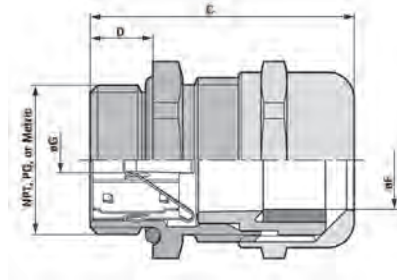
Approvals: NPT Threads



Approvals: PG Threads



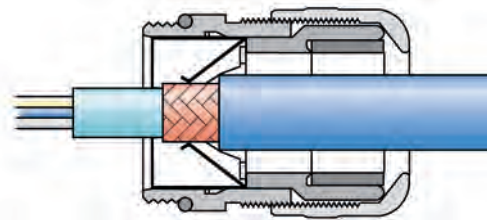
Approvals: Metric Threads



Assembly Instructions:

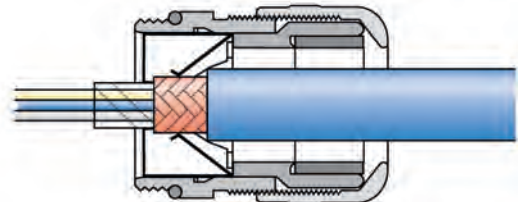
For standard contacting:

1



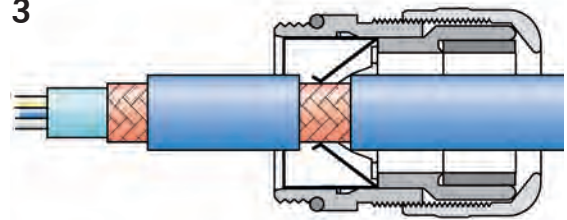
For thin wires without an inner sheath:

2



When routing cable screen to another connection:

3



Technical Data

Material: - Body: Nickel-plated brass - Insert: Polyamide - Bushing: CR - O-ring: Perbunan® (NBR)	Temperature Range: -30°C to +100°C Protection: IP68, 5 bar (Exceeds NEMA 6/6P pressure rating when used with an O-ring)
Locknuts: Add SM-PE locknuts, page 546	

SKINTOP® MS-SC NPT

Part Number	Thread Type & Size	øF Clamping Range (mm)	SW Wrenching Flats (inches)	C Overall Length (inches)	D Thread Length (inches)	Min ø Above Braiding (inches)	Standard Pack Size
SKINTOP® MS-SC: Standard NPT Thread							
53112910	NPT 3/8"	0.177 - 0.394	4.5 - 10.0	0.788	1.564	0.591	100
53112920	NPT 1/2"	0.275 - 0.512	7.0 - 13.0	0.945	1.674	0.591	50
53112930	NPT 3/4"	0.354 - 0.669	9.0 - 17.0	1.142	1.753	0.591	25
53112940	NPT 1"	0.433 - 0.827	11.0 - 21.0	1.418	1.930	0.591	25
53112950	NPT 1 1/4"	0.748 - 1.103	19.0 - 28.0	1.773	2.264	0.669	10
53112960	NPT 1 1/2"	1.063 - 1.379	27.0 - 35.0	2.127	2.423	0.669	5

SKINTOP® MS-SC & MS-SCL

Part Number	Thread Type & Size	øF Clamping Range (inches) (mm)	SW Wrenching Flats (inches)	C Overall Length (inches)	D Thread Length (inches)	Min ø Above Braiding (inches)	Standard Pack Size
SKINTOP® MS-SC: Standard PG Thread							
53112210	PG 9	0.118 - 0.315	3.0 - 8.0	0.669	1.142	0.236	50
53112220	PG 11	0.157 - 0.394	4.0 - 10.0	0.787	1.260	0.236	50
53112230	PG 13	0.197 - 0.472	5.0 - 12.0	0.866	1.339	0.256	25
53112240	PG 16	0.315 - 0.551	8.0 - 14.0	0.945	1.378	0.256	25
53112250	PG 21	0.433 - 0.689	11.0 - 17.5	1.181	1.575	0.275	25
53112260	PG 29	0.630 - 0.985	16.0 - 25.0	1.575	1.890	0.315	10
53112270	PG 36	0.748 - 1.260	19.0 - 32.0	1.969	2.441	0.591	5
SKINTOP® MS-SCL: Long PG Thread							
53112310	PG 9	0.118 - 0.315	3.0 - 8.0	0.669	1.378	0.472	50
53112320	PG 11	0.157 - 0.394	4.0 - 10.0	0.787	1.496	0.472	50
53112330	PG 13	0.197 - 0.472	5.0 - 12.0	0.866	1.555	0.472	25
53112340	PG 16	0.315 - 0.551	8.0 - 14.0	0.945	1.594	0.472	25
53112350	PG 21	0.433 - 0.689	11.0 - 17.5	1.181	1.772	0.472	25
53112360	PG 29	0.630 - 0.985	16.0 - 25.0	1.575	2.047	0.591	10

SKINTOP® MS-M-SC & MS-M-SCL

Part Number	Thread Type & Size	øF Clamping Range (inches) (mm)	SW Wrenching Flats (inches)	C Overall Length (inches)	D Thread Length (inches)	Min ø Above Braiding (inches)	Standard Pack Size
SKINTOP® MS-M-SC: Standard Metric Thread							
53112610	M12 x 1.5	0.137 - 0.275	3.5 - 7.0	0.630	1.043	0.256	50
53112620	M16 x 1.5	0.177 - 0.354	4.5 - 9.0	0.788	1.299	0.275	50
53112630	M20 x 1.5	0.275 - 0.492	7.0 - 12.5	0.945	1.457	0.315	25
53112640	M25 x 1.5	0.354 - 0.650	9.0 - 16.5	1.142	1.516	0.315	25
53112650	M32 x 1.5	0.433 - 0.827	11.0 - 21.0	1.418	1.791	0.354	25
53112660	M40 x 1.5	0.748 - 1.103	19.0 - 28.0	1.773	1.890	0.354	10
53112670	M50 x 1.5	1.063 - 1.379	27.0 - 35.0	2.127	2.185	0.394	5
SKINTOP® MS-M-SCL: Long Metric Thread							
53112625	M16 x 1.5	0.177 - 0.354	4.5 - 9.0	0.788	1.496	0.472	50
53112635	M20 x 1.5	0.275 - 0.492	7.0 - 12.5	0.945	1.614	0.472	25
53112645	M25 x 1.5	0.354 - 0.650	9.0 - 16.5	1.142	1.673	0.472	25
53112655	M32 x 1.5	0.433 - 0.827	11.0 - 21.0	1.418	2.028	0.591	25
53112665	M40 x 1.5	0.748 - 1.103	19.0 - 28.0	1.773	2.126	0.591	10
53112675	M50 x 1.5	1.063 - 1.379	27.0 - 35.0	2.127	2.382	0.591	5