

Metallic Systems

SPL Fitting Type M

Technical Characteristics

Conforms to	BSI Kitemark KM-35161 UL514B file number E60625 Low voltage directive		
Approvals and Standards	  		
Degree of mechanical protection	Very High		
Degree of protection	IP66, IP67, IP68 & IP69K - with all liquid tight conduit in the series		
UV protection	Very High		
Fitting characteristics		Straight swivel fitting - external male thread	
Application	For insertion into threaded entries & knockouts using a locknut to secure		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 65°C	+150°C
	Dynamic	- 45°C	+150°C
For use with - Conduit series	Type SPL , SPL-EF , SPLHC & SPUL		
Fire performance	Test Standard		Performance Rating
	Not Rated		Not Rated
Testing data	Click or see page 5		
Type of material	Nickel Plated Brass , Co-Polyester seal - Nylon inserts		

Image

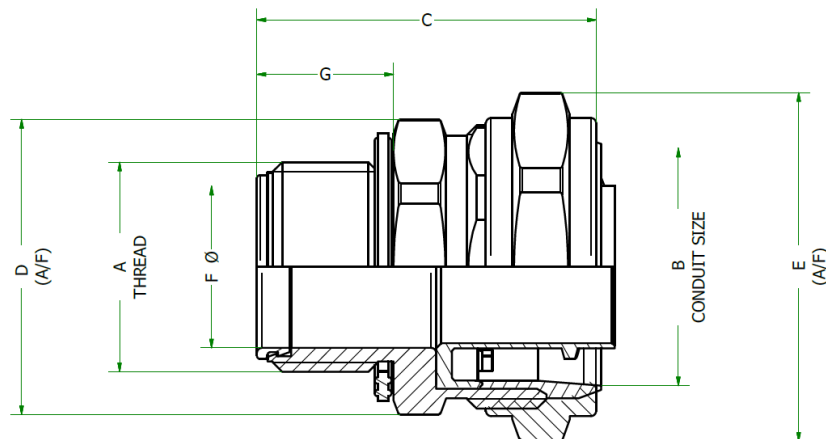


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Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)						Weight
		B	C	D	E	F	G	
TSPL10/M12/M	M12 x 1.5	10	31.6	24.0	24.0	5.7	10.0	40g
TSPL10/M16/M	M16 x 1.5	10	31.9	24.0	24.0	8.6	13.0	40g
TSPL12/M16/M	M16 x 1.5	12	30.9	24.0	24.0	8.6	13.0	42g
TSPL16/M16/M	M16 x 1.5	16	31.6	24.0	25.4	10.5	12.6	45g
TSPL16/M20/M	M20 x 1.5	16	33.1	25.4	25.4	10.5	14.0	50g
TSPL20/M20/M	M20 x 1.5	20	32.3	25.4	30.0	14.5	13.7	52g
TSPL25/M25/M	M25 x 1.5	25	41.0	32.0	35.0	18.2	16.0	97g
TSPL32/M32/M	M32 x 1.5	32	49.9	38.0	42.4	24.1	17.5	145g
TSPL40/M40/M	M40 x 1.5	40	44.2	52.0	52.0	32.7	17.0	205g
TSPL50/M50/M	M50 x 1.5	50	48.4	60.3	60.3	37.7	19.0	350g
TSPL63/M63/M	M63 x 1.5	63	55.2	70.0	70.0	49.0	26.0	510g

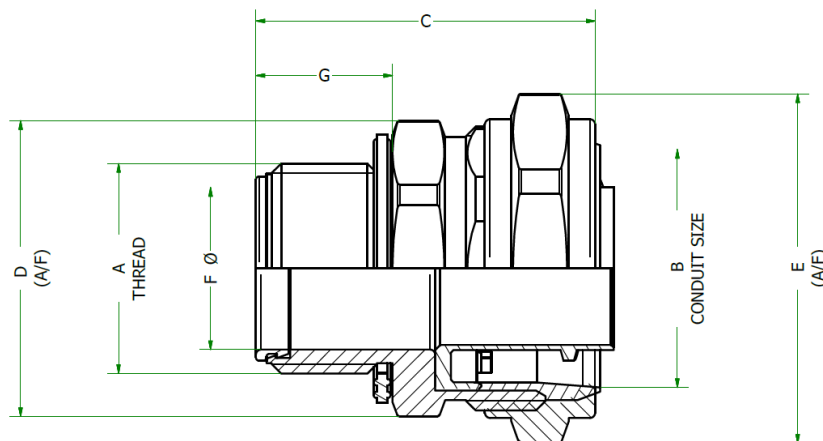


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Part No	Thread A	Nominal Dimensions (mm)						Weight
		B	C	D	E	F	G	
TSPL10/PG7/M	PG7	10	28.3	20.0	22.0	8.1	10.0	41g
TSPL12/PG9/M	PG9	12	28.5	22.0	24.0	8.6	10.0	46g
TSPL16/PG11/M	PG11	16	30.0	24.0	25.4	10.5	10.0	50g
TSPL16/PG13/M	PG13.5	16	29.6	24.0	25.4	10.5	10.0	55g
TSPL20/PG16/M	PG16	20	31.4	28.0	28.6	14.5	11.2	58g
TSPL25/PG21/M	PG21	25	37.2	34.0	35.0	18.2	12.2	106g
TSPL32/PG29/M	PG29	32	44.0	42.0	42.0	24.1	12.2	163g
TSPL40/PG36/M	PG36	40	46.6	54.0	52.0	32.7	16.0	215g
TSPL50/PG42/M	PG42	50	52.4	60.0	60.0	37.7	18.0	356g
TSPL63/PG48/M	PG48	63	68.0	70.0	70.0	49.0	25.0	535g



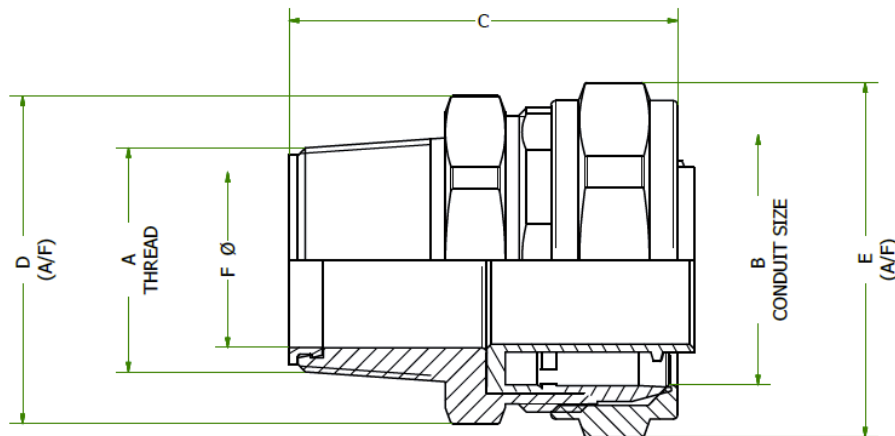
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Part No	Thread A	Nominal Dimensions (mm)					Weight
		B	C	D	E	F	
TSPL16/038/M	NPT 3/8"	16	32.5	24.0	25.4	10.5	47g
TSPL16/050M	NPT 1/2"	16	36.3	24.0	25.4	15.9	52g
TSPL20/050M	NPT 1/2"	20	36.9	25.4	30.0	15.4	52g
TSPL25/075/M	NPT 3/4"	25	42.2	32.0	35.0	19.1	100g
TSPL32/100/M	NPT 1"	32	51.4	38.0	42.4	26.0	150g
TSPL40/125/M	NPT 1 1/4"	40	51.6	52.0	52.0	33.3	208g
TSPL50/150/M	NPT 1 1/2"	50	54.6	60.3	60.3	40.1	354g
TSPL63/200/M	NPT 2"	63	72.5	70.0	70.0	52.0	533g

All NPT Threads conform to ANSI/ASME B1.20.1 - 1983



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Chemical Resistance Chart

Key:

Suitable :



Limited Suitability :



Unsuitable :



Not Tested :



● Astm No.1	● Diesel oil	● Methyl Bromide	● Sulphur Dioxide (Gas)
● Astm No.2	● Diethylamine	● MEK	● Sulphuric Acid (10%)
● Astm No.3	● Ethanol	● Nitric Acid (10%)	● Sulphuric Acid (70%)
● Acetic Acid (10%)	● Ether	● Nitric Acid (70%)	● Toluene
● Acetone	● Ethylamine	● Oxalic Acid	● Transformer Oil
● Aluminium Chloride	● Ethylene Glycol	● Ozone (Gas)	● 1,1,1-Trichloroethane
● Aniline	● Ethyl Ethanoate	● Paraffin oil	● Trichloroethylene
● Benzaldehyde	● Freon 32	● Petrol	● Turpentine
● Benzene	● Hydrochloric Acid (10%)	● Phenol	● Vegetable Oil
● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Sea Water	● Vinyl Acetate
● Chlorine water	● Hydrogen Peroxide (35%)	● Silver Nitrate	● Water
● Chloroform	● Hydrogen Peroxide (87%)	● Skydrol	● White Spirit
● Citric Acid	● Lactic Acid	● Sodium Chloride	● Zinc Chloride
● Copper Sulphate	● Lubricating oil	● Sodium Hydroxide (10%)	
● Cresol	● Methanol	● Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643			PG	German Standard thread conforming to DIN40430			NPT	US taper seal pipe thread conforming to ANSI/ASME B1.20.1-1983	
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch	Thread Size	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch	Thread Size Inch	Ext Thread Outside Diameter	Pitch
M10	10.0	8.9	1.0	PG7	12.5	11.3	1.27	-	-	-
M12	12.0	10.4	1.5	PG9	15.2	13.9	1.41	3/8"	16.7	1.14
M16	16.0	14.4	1.5	PG11	18.6	17.3	1.41	1/2"	21.0	1.81
M20	20.0	18.4	1.5	PG13.5	20.4	19.1	1.41	3/4"	26.4	1.81
M25	25.0	23.4	1.5	PG16	22.5	21.2	1.41	1"	33.3	2.21
M32	32.0	30.4	1.5	PG21	28.3	26.8	1.59	1 1/4"	41.9	2.21
M40	40.0	38.4	1.5	PG29	37.0	35.5	1.59	1 1/2"	47.8	2.21
M50	50.0	48.4	1.5	PG36	47.0	45.5	1.59	2"	59.6	2.21
M63	63.0	61.4	1.5	PG42	54.0	52.2	1.59			
M75	75.0	73.4	1.5	PG48	59.3	57.8	1.59			