

Metallic Systems

SPL Type C45



Technical Characteristics

Conforms to BSI Kitemark KM-35161
 UL514B file number E60625
 CE mark to the Low Voltage Directive

Approvals and Standards



Degree of mechanical protection

Very High

Degree of protection

IP67, IP68 & IP69k - with all [Adaptasteel](#) liquid tight conduit in the series

UV protection

Very High

Fitting characteristics

45° combined fitting & elbow

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 [4](#)

Type of material

Nickel Plated Brass body, back nut & insert. High temperature co-polyester seal, NBR face seal, Nylon cable protection insert

Image



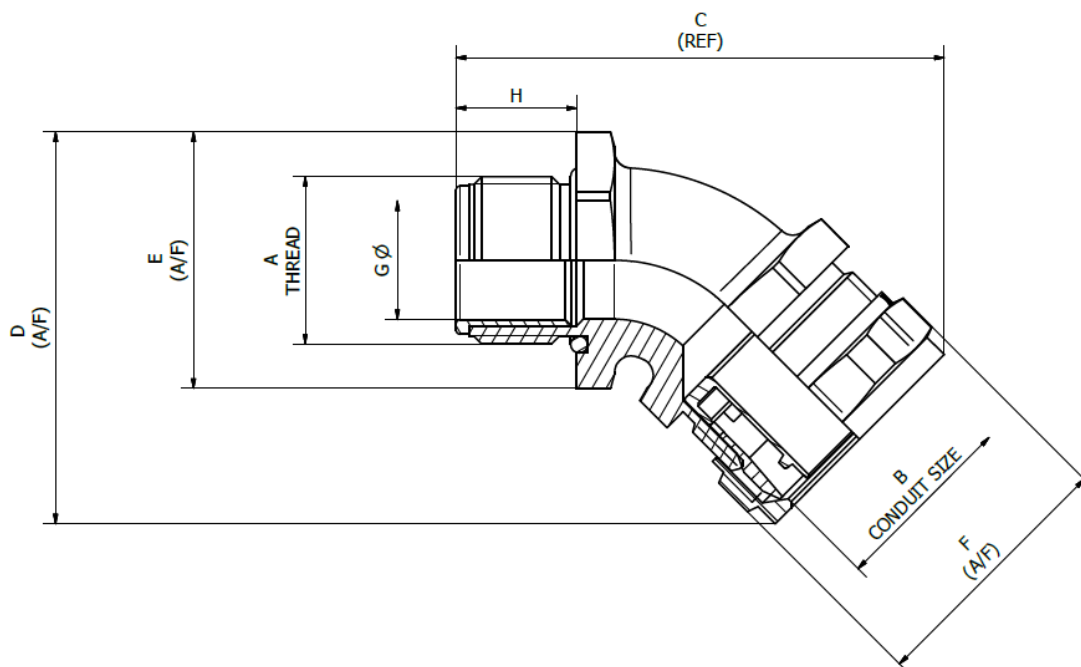
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Dimensional Data

Part No Metric Thread	Thread A	Nominal Dimensions (mm)						
		B	C	D	E	F	G	H
SPL16/M16/C45	M16 x 1.5	16	54.0	41.0	22.0	25.4	10.4	13.1
SPL16/M20/C45	M20 x 1.5	16	55.0	40.5	22.0	25.4	10.5	14.6
SPL20/M20/C45	M20 x 1.5	20	58.0	46.5	27.0	28.6	14.0	14.3
SPL25/M25/C45	M25 x 1.5	25	65.6	54.7	33.0	35.0	18.2	14.3
SPL32/M32/C45	M32 x 1.5	32	85.0	71.7	42.0	42.0	24.1	17.6
SPL40/M40/C45	M40 x 1.5	40	93.8	81.1	51.0	52.0	32.7	17.6
SPL50/M50/C45	M50 x 1.5	50	106.5	93.0	60.0	60.0	37.7	19.5
SPL63/M63/C45	M63 x 1.5	63	125.1	112.0	74.0	70.0	48.4	23.1



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Chemical Resistance Chart

Key:	●	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	
	Suitable :	●	Aluminium Chloride	●	Ethylene Glycol	●	Ozone (Gas)	●	1,1,1-Trichloroethane
	Limited Suitability :	●	Aniline	●	Ethyl Ethanoate	●	Paraffin oil	●	Trichloroethylene
		●	Benzaldehyde	●	Freon 32	●	Petrol	●	Turpentine
	Unsuitable :	●	Benzene	●	Hydrochloric Acid (10%)	●	Phenol	●	Vegetable Oil
		●	Carbon tetrachloride	●	Hydrochloric Acid (36%)	●	Sea Water	●	Vinyl Acetate
	Not Tested :	●	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 and contact Thomas & Betts for further information.

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			NPT	US taper seal pipe thread conforming to ANSI/ASME B1.20.1-1983	
	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch		Thread Size Inch	Ext Thread Outside Diameter
M10	10.0	8.9	1.0	-	-	-
M12	12.0	10.4	1.5	3/8"	16.7	1.14
M16	16.0	14.4	1.5	1/2"	21.0	1.81
M20	20.0	18.4	1.5	3/4"	26.4	1.81
M25	25.0	23.4	1.5	1"	33.3	2.21
M32	32.0	30.4	1.5	1 1/4"	41.9	2.21
M40	40.0	38.4	1.5	1 1/2"	47.8	2.21
M50	50.0	48.4	1.5	2"	59.6	2.21
M63	63.0	61.4	1.5			
M75	75.0	73.4	1.5			