

Metallic Systems

SP Fitting Type E



Technical Characteristics

Conforms to	BSI Kitemark KM-35161 Low voltage directive Inherent Low Fire Hazard		
Approvals and Standards			
Degree of mechanical protection	High		
Degree of protection	IP54 - with all Adaptasteel liquid resistant conduit in the series		
UV protection	Very High		
Fitting characteristics	Conduit Terminator		
Application	Cable protection at conduit entry / exit point		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 50°C	+300°C
	Dynamic	- 45°C	+250°C
For use with - Conduit series	Type SP , SN & LFH-SP		

Fire performance	Test Standard	Performance Rating
	EN45545	ILFH
	NFF16-101	ILFH
	LUL-1085	ILFH
	BS6855	ILFH
	DIN 5510-2	ILFH



Testing data	Click or see page 3
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Type of material	Nickel Plated Brass
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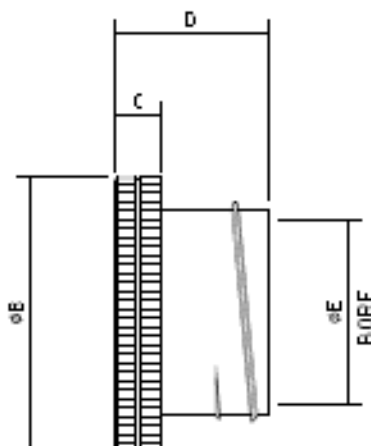
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Dimensional Data

Part No	To Suit Conduit	Nominal Dimensions (mm)			
		B	C	D	E
SP12/E	SP12	16.0	3.3	16.3	8.6
SP16/E	SP16	19.8	5.0	17.5	11.5
SP20/E	SP20	23.5	6.0	20.5	15.3
SP25/E	SP25	29.8	7.8	26.0	19.0
SP32E	SP32	36.5	9.0	27.5	26.4



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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 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.