

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](#)

Type of material

Nickel Plated Brass

Image



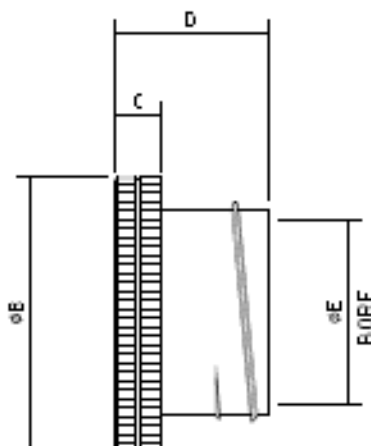
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Dimensional Data

| 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.