

Conduit Systems - Fittings

External Hinged Protective Shrouds - Type CPS

Technical Characteristics

Conforms to	CE Mark to the low voltage directive RoHS Compliant to 2011/65/EU Conforms with end of life vehicle directive (ELV)EU200/53/EC											
Approvals and Standards	CE 											
Degree of mechanical protection	Medium											
Degree of protection	IP40 - Hinged fittings											
UV protection	Very High (Black)											
Finish	Black (BL)											
Application	One piece hinged fittings over mating connectors and cable joins, to protect fuse links, circuit breakers or splicing areas from damage through impact & vibration.											
Normal operating temperature range	<table><tr><td>Application</td><td>Min Temp</td><td>Max Temp</td></tr><tr><td>Static</td><td>- 40°C</td><td>+120°C</td></tr><tr><td>Dynamic</td><td>- 5°C</td><td>+120 °C</td></tr></table>			Application	Min Temp	Max Temp	Static	- 40°C	+120°C	Dynamic	- 5°C	+120 °C
Application	Min Temp	Max Temp										
Static	- 40°C	+120°C										
Dynamic	- 5°C	+120 °C										
For use with - Conduit range	For use with all Conduits in the H-flex range											
Fire performance	Test Standard	Performance Rating										
	Not rated	Not rated										
		Self Extinguishing Low smoke toxicity & Halogen Free										
Chemical Resistance & Storage data	See page 3											
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised											

Image

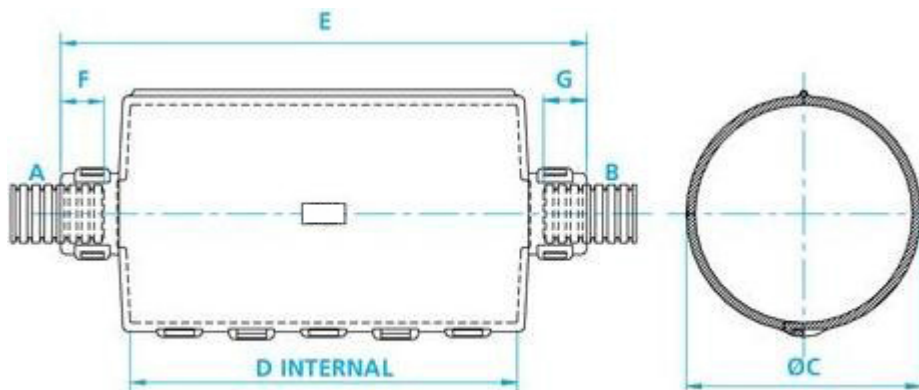


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Technical & Dimensional Data

Part Number	Internal Diameter	Conduit Sizes				Nominal Dimensions (mm)				
		(NC)		(NW)		C	D	E	F	G
TCPS341212	35	12	12	10	10	38	73	100	10	10
TCPS421212	43	12	12	10	10	47	77	104	10	10
TCPS421616	43	16	16	13	13	47	77	104	10	10
TCPS421620	43	16	20	13	17	47	77	104	10	12
TCPS422020	43	20	20	17	17	47	77	104	12	12



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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 TTS 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.

Storage Guidelines

To maintain balanced moisture content, H-flex recommends storing products under the following conditions:

Storage temp.	Installation temp.	Rel. humidity
18°C to 30°C	>18°C	>30%

In the very dry winter months the moisture balance may go down slightly as the material releases moisture to the environment (owing to lower relative humidity).

Compared to natural outdoor conditions* at around 0°C (40 ... 80% rh), the humidity in heated rooms may drop by half to below 20% rh if no humidification is present. (Even extremely dry regions such as the Sahara Desert record average humidity of 20% to 60% rh.) (*Central European climate.)

If products from an outside environment are brought into a heated processing area, the change in climate may suddenly cause temporary de-moisturisation around the edges. After 24 hours in the processing area a natural balance will be restored.

Observing this storage recommendation ensures optimum process-ability and material properties.