

Conduit Systems - Fittings

External X-Piece - Type XPS



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			
Degree of mechanical protection	Medium		
Degree of protection	IP40 - fittings		
UV protection	Very High (Black)		
Finish	Black (BL) only		
Application	Two-piece symmetrical 4 junction fitting providing a variety of conduit size combinations. These fittings are designed to snap together over all types of slit and un-slit conduit thus maintaining conduit bore. In addition, several fittings can be snapped together to provide multiple outlets without the need to short conduit joints.		
Normal operating temperature range	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 Harnessflex range		
Fire performance	Test Standard	Performance Rating	
	Not rated	Not rated	
		Self Extinguishing Low smoke toxicity & Halogen Free	
Testing data	Click or See pages 3 & 4		
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised		

Image



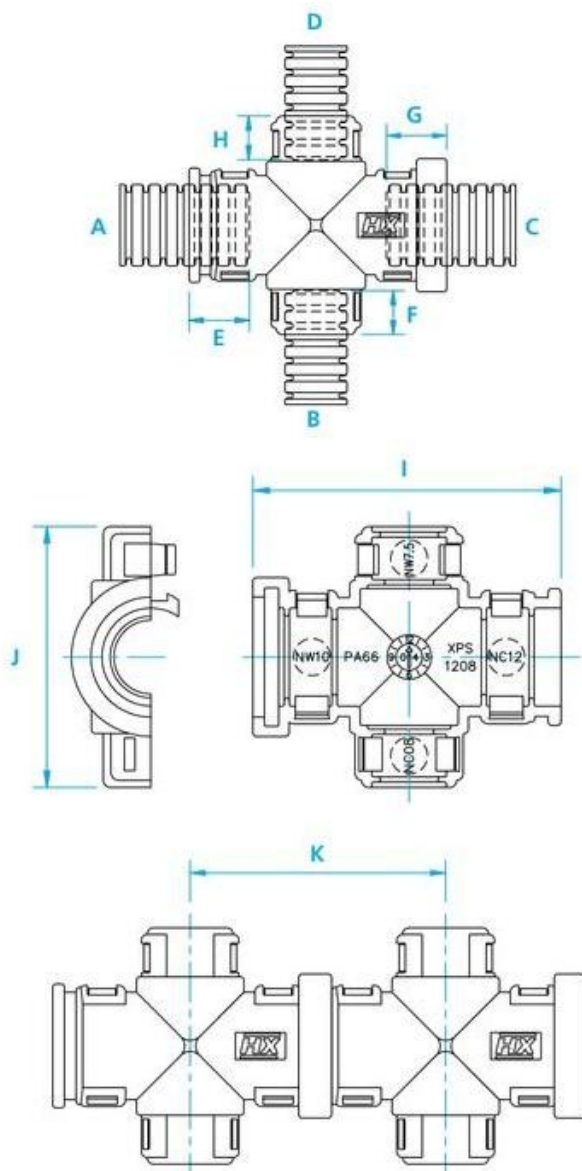
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Technical & Dimensional Data

Part Number	Conduit Sizes								Conduit Engagement				Overall Dimensions		
	(NC)				(NW)				E	F	G	H	I	J	K
	A	B	C	D	A	B	C	D							
XPS1208	12	08	12	08	10	7.5	10	7.5	9.5	7.0	9.5	7.0	42.3	5.5	38.0



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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.

Storage Guidelines

To maintain balanced moisture content, Harnessflex 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.