



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

AMP Superseal Straight and 90° Elbow Swivel Interface

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	RoHS
Degree of mechanical protection	Medium	
Degree of protection	IP40 - Hinged Connector Interface fittings	
UV protection	Very High (Black)	
Finish	Black (BL)	
Application	Single junction straight and 90° elbow fittings providing high integrity connections between AMP Superseal or Junior timer connectors and H-flex conduit systems. In addition, 90° elbow versions allow the conduit to swivel 360° around the connector housing, sufficient to avoid the problems associated with one-piece interfaces of overflexing due to movement or vibration.	
Normal operating temperature range	Minimum Temperature - 40°C	Maximum Temperature +120°C
For use with - Conduit Series	For use with all Conduits in the H-flex range	
Fire performance	Self Extinguishing Low smoke Toxicity & Halogen Free	
Chemical resistance & Storage data	See page 3	
Type of material	Polyamide (Nylon) 66 - Heat & UV stabilised	

Image



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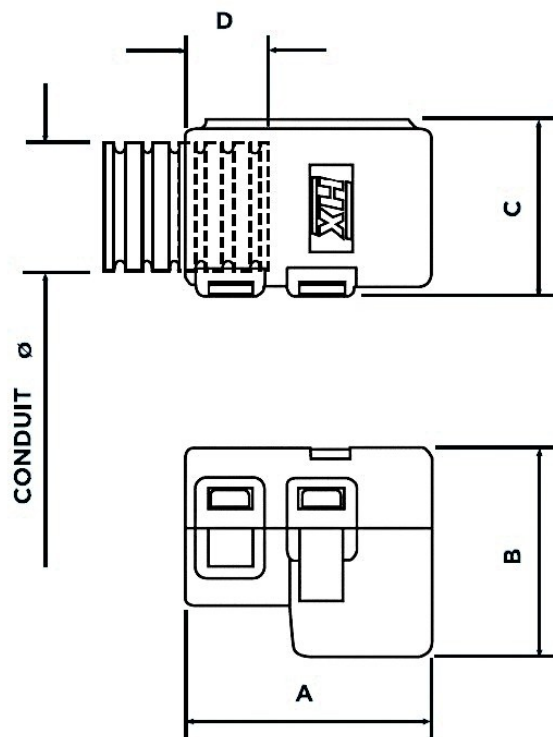
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Dimensional Data and Part Number Configuration - Straight Interface

Part No. Straight Interface	Conduit Size		Nominal Dimensions (mm)				Connector Reference
	(NC)	(NW)	A	B	C	D	
TCI08-AS1	8	7.5	23.6	16.1	18	10	AMP Superseal 1-way
TCI08-AS2	8	7.5	22.4	20.5	18	10	AMP Superseal 2-way
TCI08-AS3	8	7.5	22.4	26.5	18	10	AMP Superseal 3-way
TCI08-AS4	8	7.5	34	33	18	10	AMP Superseal 4-way
TCI10-AS2	10	8.5	34	21	20	10	AMP Superseal 2-way
TCI10-AS3	10	8.5	34	27	20	10	AMP Superseal 3-way
TCI10-AS4	10	8.5	34	33	20	10	AMP Superseal 4-way
TCI12-AS1	12	10	23.6	16.1	18	10	AMP Superseal 1-way
TCI12-AS2	12	10	22.4	20.5	18	10	AMP Superseal 2-way
TCI12-AS3	12	10	22.4	26.5	18	10	AMP Superseal 3-way
TCI12-AS4	12	10	34	33	19	10	AMP Superseal 4-way



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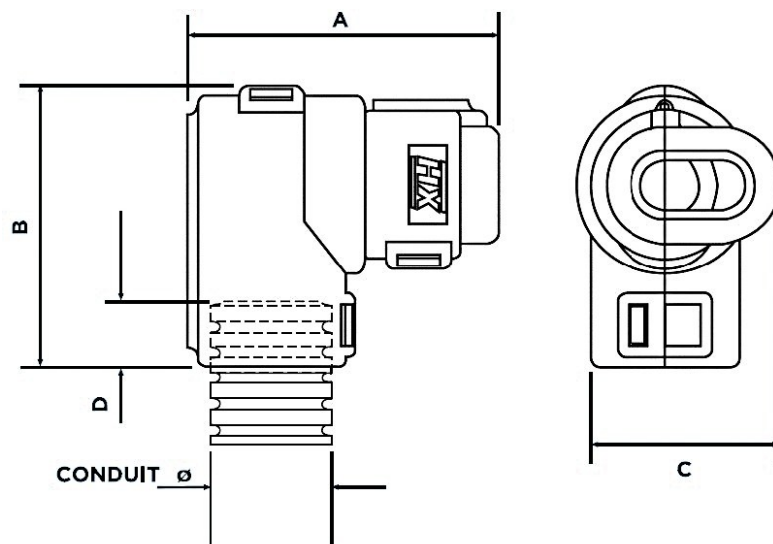
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AMP Superseal Straight and 90° Elbow Swivel Interface

Dimensional Data and Part Number Configuration - 90° Elbow Swivel Interface

Part No. 90° Elbow	Conduit Size		Nominal Dimensions (mm)				Connector Reference
	(NC)	(NW)	A	B	C	D	
CI08-90-AS1	8	7.5	37.5	30.3	18	10	AMP Superseal 1-way
CI08-90-AS2	8	7.5	33.3	30.3	18	10	AMP Superseal 2-way
CI08-90-AS3	8	7.5	33.3	30.3	18	10	AMP Superseal 3-way
CI08-90-AS4	8	7.5	37	30.3	18	10	AMP Superseal 4-way
CI10-90-AS2	10	8.5	35	38	19	10	AMP Superseal 2-way
CI10-90-AS3	10	8.5	35	38	19	10	AMP Superseal 3-way
CI10-90-AS4	10	8.5	41.2	38	19	10	AMP Superseal 4-way
CI12-90-AS1	12	10	33.3	30.3	18	10	AMP Superseal 1-way
CI12-90-AS2	12	10	33.3	30.3	20.5	10	AMP Superseal 2-way
CI12-90-AS3	12	10	33.3	30.3	26.7	10	AMP Superseal 3-way
CI12-90-AS4	12	10	37	30.3	33	10	AMP Superseal 4-way



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Chemical Resistance Chart

Key:		Astm No.1		Diesel oil		Methyl Bromide		Sulphur Dioxide (Gas)
Suitable :		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
Limited Suitability :		Aniline		Ethyl Ethanoate		Paraffin oil		Trichloroethylene
		Benzaldehyde		Freon 32		Petrol		Turpentine
		Benzene		Hydrochloric Acid (10%)		Phenol		Vegetable Oil
Unsuitable :		Carbon tetrachloride		Hydrochloric Acid (36%)		Sea Water		Vinyl Acetate
		Chlorine water		Hydrogen Peroxide (35%)		Silver Nitrate		Water
Not Tested :		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%)		

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

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