



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

External Hinge Interfaces

DT Series Connector Interfaces

Technical Characteristics

Conforms to	CE Mark to the Low voltage directive RoHS Compliant to 2011/65/EU Conforms with end of life vehicle directive 9ELV) EU200/53/EC	
Approvals and Standards		
Degree of mechanical protection	Medium	
Degree of protection	IP40 - Hinged Connector Interface fittings	
UV protection	Very High	
Finish	Black	
Application	Single junction straight and 90° elbow fittings providing high integrity connections between Deutsch DT 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 over-flexing 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	<i>Self Extinguishing Low smoke toxicity & Halogen Free</i>	
Chemical resistance & Storage data	See page 4	
Type of material	Polyamide (Nylon) 66 - Heat and UV stabilised	

Image



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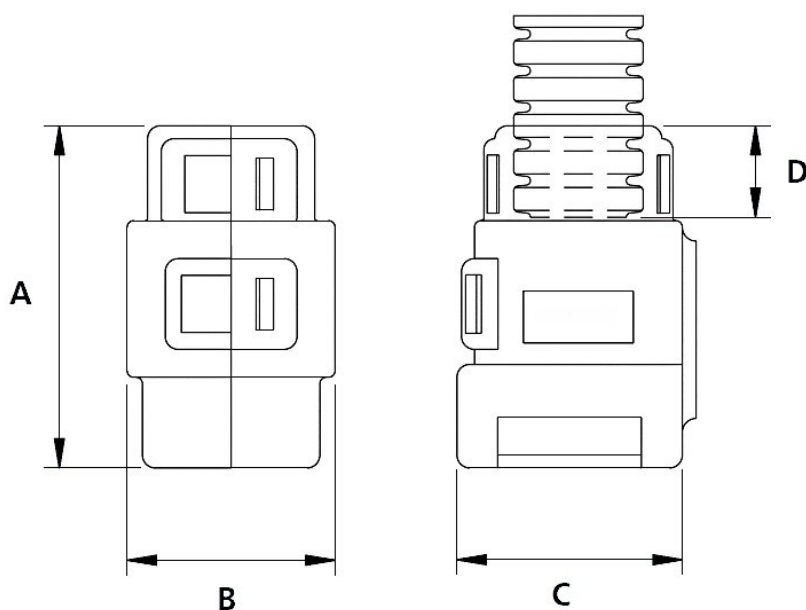
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Dimensional Data & Part Number Configuration - Straight Interface

Part No.	Conduit Size	Conduit Size	A	B	C	D	Connector Reference
Straight Interface	(NC)	(NW)					
CI08-DT2	8	7.5	26	16	18	7	2-way
CI08-DT3	8	7.5	30	22	24	12	3-way
CI08-DT4	8	7.5	42	18	27	12	4-way
CI08-DT6	8	7.5	42	22	27	12	6-way
CI12-DT2	12	10	26	16	18	7	2-way
CI12-DT3	12	10	29	22	24	7	3-way
CI12-DT4	12	10	40	18	27	7	4-way
CI12-DT6	12	10	40	22	27	10	6-way
CI12-DT8	12	10	40	25	30	10	8-way
CI16-DT12	16	13	44	24	40	10	12-way

Note : Dimensions are in mm



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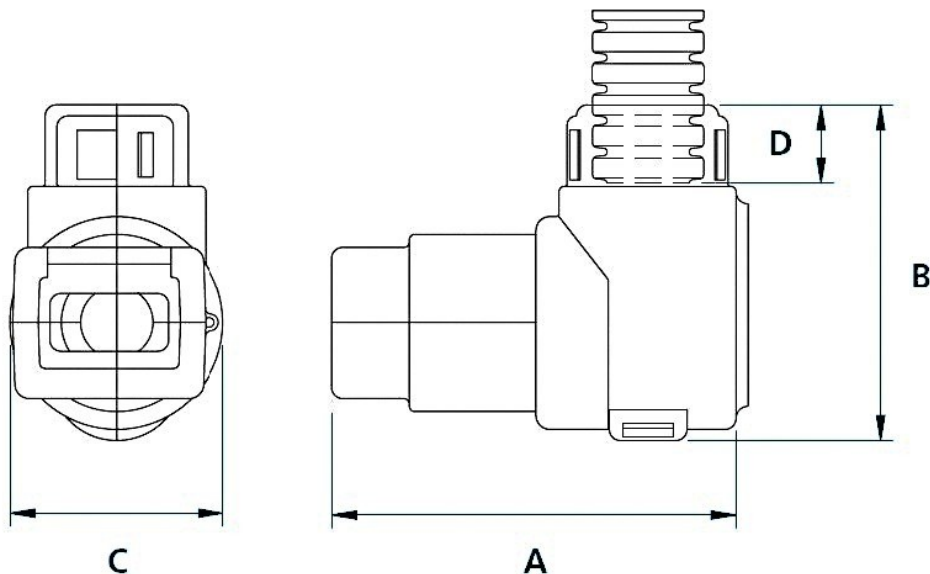
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Dimensional Data & Part number Configuration - 90° Elbow Interface

Part No.	Conduit Size (NC)	Conduit Size (NW)	A	B	C	D	Connector
90° Elbow Interface							
CI08-90-DT2	8	7.5	36	30	19	7	2 Way
CI08-90-DT3	8	7.5	44	30	23	7	3 Way
CI08-90-DT4	8	7.5	48	30	25	7	4 Way
CI08-90-DT6	8	7.5	48	34	25	7	6 Way
CI12-90-DT2	12	10	36	30	19	7	2 Way
CI12-90-DT3	12	10	44	30	23	7	3 Way
CI12-90-DT4	12	10	48	30	25	7	4 Way
CI12-90-DT6	12	10	48	34	25	7	6 Way
CI12-90-DT8	12	10	63	37	30	10	8 Way
CI12-90-DT12	12	10	68	36	38	10	12 Way
CI16-90-DT8	16	13	63	37	30	10	8 Way
CI16-90-DT12	16	13	68	36	38	10	12 Way

Note : Dimensions are in mm



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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%)	

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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