

External Hinged Interfaces

Deutsch DT Series Connector



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 - 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 Harnessflex 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	Maximum Temperature
	- 40°C	+120°C
For use with - Conduit range	For use with all Conduits in the Harnessflex range	
Fire performance	Self Extinguishing Low smoke toxicity & Halogen Free	
Chemical resistance & Storage data	Click or See page 4	
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised	

Image



External Hinged Interfaces

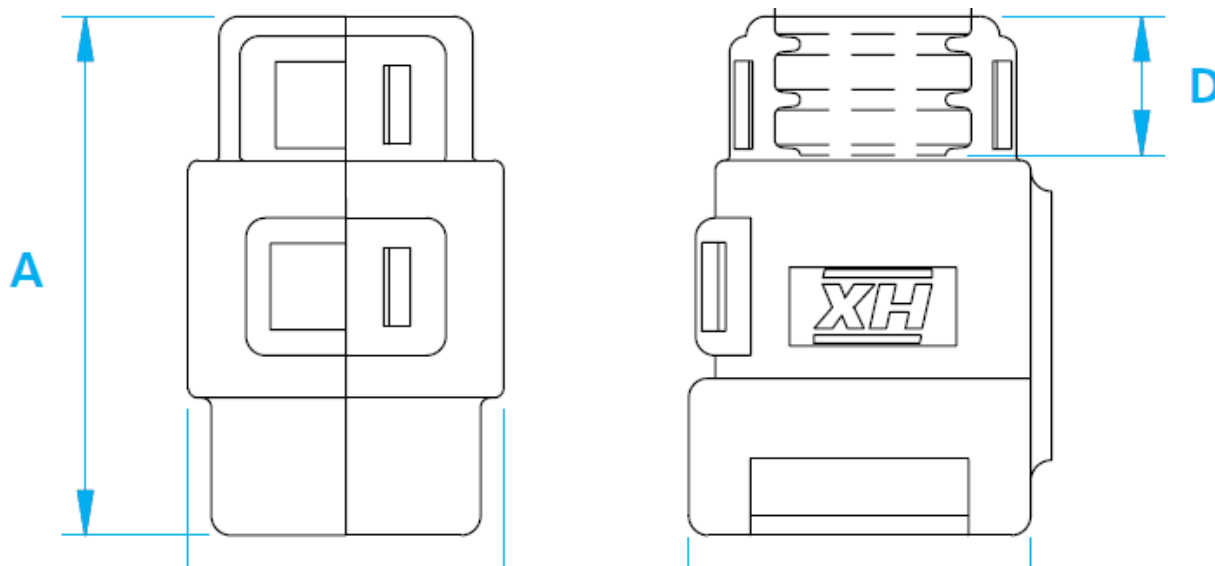
Deutsch DT Series Connector



Dimensional Data & Part Number Configuration

Part No. Straight Interface	Conduit Size (NC)	Conduit Size (NW)	A	B	C	D	Connector Reference
CI08-DT2	08	7.5	26.0	16.0	18	7	2-way
CI08-DT3	08	7.5	30.0	22.0	24	12	3-way
CI08-DT4	08	7.5	42.0	18.0	27	12	4-way
CI08-DT6	08	7.5	42.0	22.0	27	12	6-way
CI12-DT2	12	10	26.0	16.0	18	7	2-way
CI12-DT3	12	10	29.0	22.0	24	7	3-way
CI12-DT4	12	10	40.0	18.0	27	7	4-way
CI12-DT6	12	10	40.0	22.0	27	10	6-way
CI12-DT8	12	10	40.0	25.0	30	10	8-way
CI16-DT12	16	13	44.0	24.0	40	10	12-way

Note : Dimensions are in mm



External Hinged Interfaces

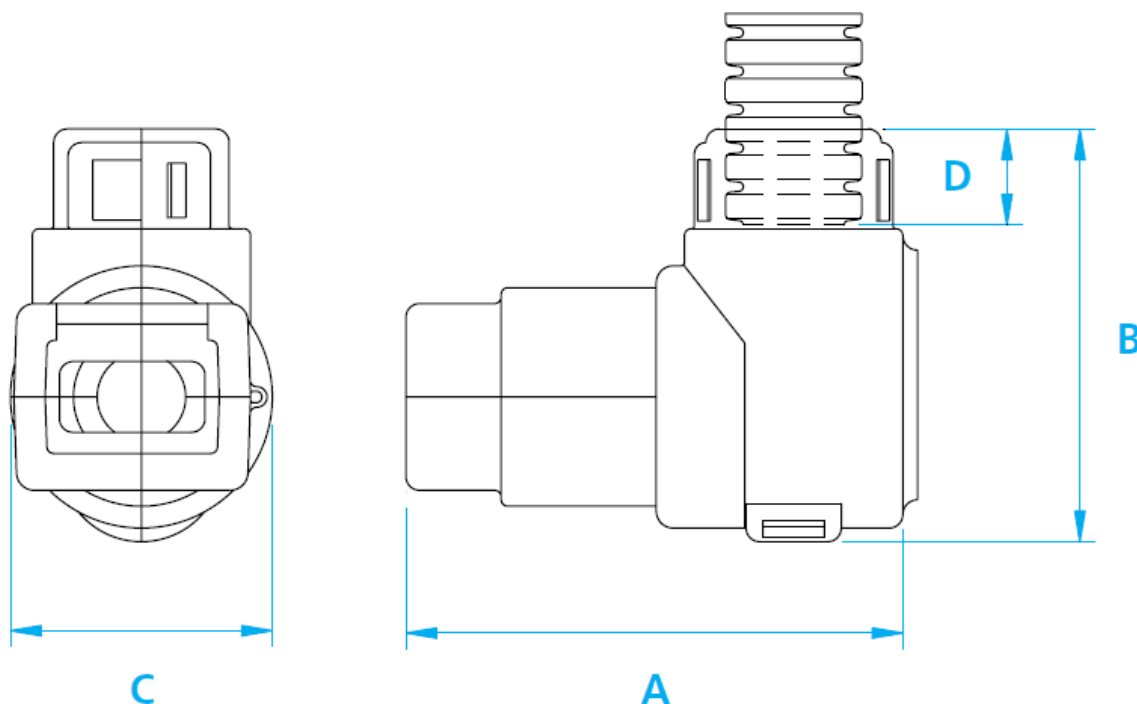
Deutsch DT Series Connector

Harnessflex
SPECIALIST CONDUIT SYSTEMS

Dimensional Data & Part Number Configuration

Part No.	Conduit Size (NC)	Conduit Size (NW)	A	B	C	D	Connector
90° Elbow Interface							
CI08-90-DT2	08	7.5	36.0	30.0	19	7	2 Way
CI08-90-DT3	08	7.5	44.0	30.0	23	7	3 Way
CI08-90-DT4	08	7.5	48.0	30.0	25	7	4 Way
CI08-90-DT6	08	7.5	48.0	34.0	25	7	6 Way
CI12-90-DT2	12	10	36.0	30.0	19	7	2 Way
CI12-90-DT3	12	10	44.0	30.0	23	7	3 Way
CI12-90-DT4	12	10	48.0	30.0	25	7	4 Way
CI12-90-DT6	12	10	48.0	34.0	25	7	6 Way
CI12-90-DT8	12	10	63.0	37.0	30	10	8 Way
CI12-90-DT12	12	10	68.0	36.0	38	10	12 Way
CI16-90-DT8	16	13	63.0	37.0	30	10	8 Way
CI16-90-DT12	16	13	68.0	36.0	38	10	12 Way

Note : Dimensions are in mm



External Hinged Interfaces

Deutsch DT Series Connector



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%

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.