



TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

Ampseal16 Straight 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	 	
Degree of mechanical protection	Medium	
Degree of protection	IP40 - Hinged Connector Interface fittings	
UV protection	Very High (Black)	
Finish	Black (BL)	
Application	A range of straight and 90° elbow fittings offering a compact and high integrity connection between Ampseal automotive connectors and H-flex conduit systems. These interfaces provide complete cable protection right up to the connector. They also provide strain relief and protection from high pressure washing, helping to maintain the sealing integrity of the connector.	
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 6	
Type of material	Polyamide (Nylon) 66 - Heat & UV stabilised	

Image





Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

Ampseal16 Straight Interface

Dimensional Data and Part Number Configuration - Straight Interface

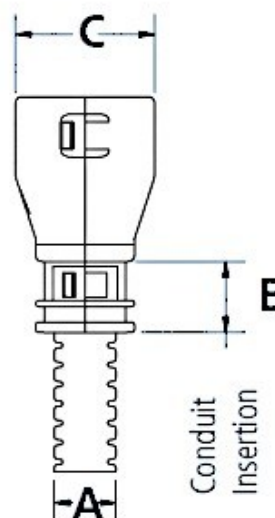
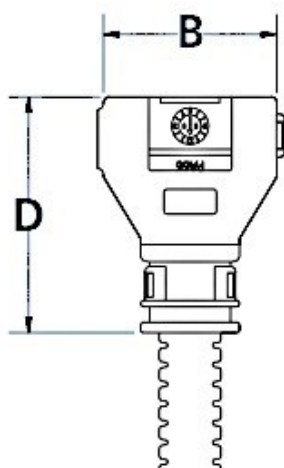
Part No. Straight Interface	Conduit Size (A)		Nominal Dimensions				Connector Reference
	NC	NW	B	C	D	E	
CI08-AT2PL	8	7.5	23	18	34	12	2 Way
CI08-AT3PL	8	7.5	28	18	33	11	3 Way
CI08-AT4PL	8	7.5	29	23	39	13	4 Way
CI12-AT4PL	12	10	29	23	37	11	4 Way
CI12-AT6PL	12	10	29	23	37	11	6 Way
CI12-AT8PL	12	10	32	23	37	11	8 Way
CI12-AT12PL	12	10	41	23	37	11	12 Way
CI16-AT8PL	16	13	32	23	37	11	8 Way
CI16-AT12PL	16	13	41	23	37	11	12 Way
CI20-AT20PL	20	17	41	23	48	12	20 Way

Note : Nominal Dimensions are in mm

LP = Low Profile back shell for AMPSEAL Plug,

LR = Low Profile Back Shell for AMPSEAL Receptacle

PL= Standard Profile Back Shell for AMPSEAL Plug



011 974 9671

sales@ttsafrica.com

Unit F11, Roete 24, 50 Herman Street, Meadowdale, Germiston, South Africa



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

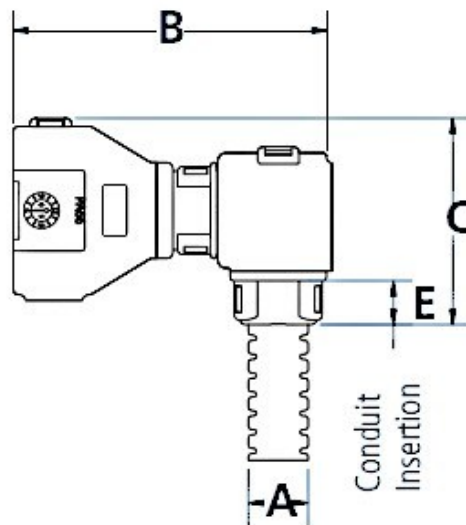
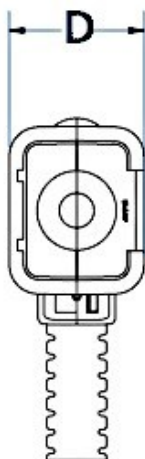
Ampseal16 Straight Interface

Dimensional Data and Part Number Configuration - 90° Elbow Interface

Part No. 90° Elbow Interface	Conduit Size (A)		Nominal Dimensions				Connector Reference
	NC	NW	B	C	D	E	
CI08-90-AT2LP	8	7.5	37.3	25	17	7.1	2 Way
CI08-90-AT2LR	8	7.5	37.3	25	20	7.1	2 Way
CI08-90-AT3LP	8	7.5	39.8	29	17.1	7.1	3 Way
CI08-90-AT3LR	8	7.5	39.8	29	17.1	7.1	3 Way
CI08-90-AT4LP	8	7.5	40.8	29.4	20.6	7.1	4 Way
CI08-90-AT4LR	8	7.5	40.8	29.4	20.6	7.1	4 Way
CI08-90-AT6LP	8	7.5	42.8	29.4	22.5	7.1	6 Way
CI08-90-AT6LR	8	7.5	42.8	29.4	22.5	7.1	6 Way

Note : Nominal Dimensions are in mm

LP = Low Profile back shell for AMPSEAL Plug,
LR = Low Profile Back Shell for AMPSEAL Receptacle
PL= Standard Profile Back Shell for AMPSEAL Plug



011 974 9671

sales@ttsafrica.com

Unit F11, Roete 24, 50 Herman Street, Meadowdale, Germiston, South Africa



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

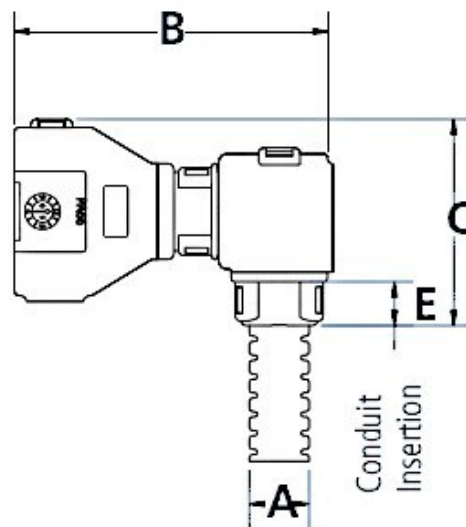
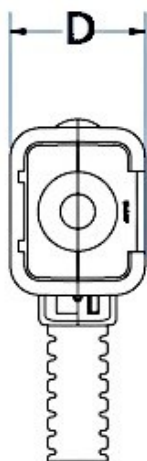
Ampseal16 Straight Interface

Dimensional Data and Part Number Configuration - Plugs and Receptables

Part No. Plugs and Receptables	Conduit Size (A)		Nominal Dimensions				Connector Reference
	NC	NW	B	C	D	E	
CI12-90-AT2LP	12	10	38	23	20	7.1	2 Way
CI12-90-AT2LR	12	10	38	23	20	7.1	2 Way
CI12-90-AT3LP	12	10	40.2	27.1	17.1	7.1	3 Way
CI12-90-AT3LR	12	10	40.2	27.1	17.1	7.1	3 Way
CI12-90-AT4LP	12	10	41.1	27.5	20.6	7.1	4 Way
CI12-90-AT4LR	12	10	41.1	27.5	20.6	7.1	4 Way
CI12-90-AT6LP	12	10	43.1	27.5	22.5	7.1	6 Way
CI12-90-AT6LR	12	10	43.1	27.5	22.5	7.1	6 Way

Note : Nominal Dimensions are in mm

LP = Low Profile back shell for AMPSEAL Plug,
 LR = Low Profile Back Shell for AMPSEAL Receptacle
 PL= Standard Profile Back Shell for AMPSEAL Plug



011 974 9671

sales@ttsafrica.com

Unit F11, Roete 24, 50 Herman Street, Meadowdale, Germiston, South Africa



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

Ampseal16 Straight Interface

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

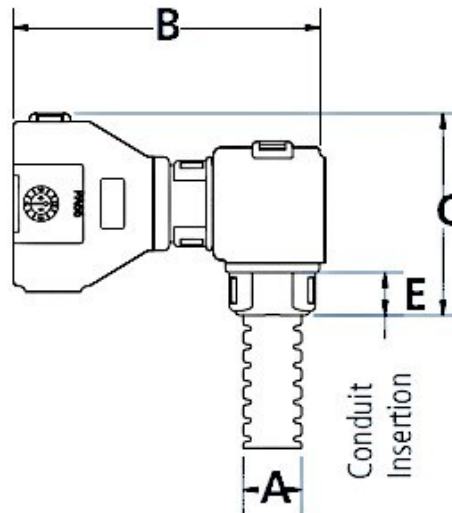
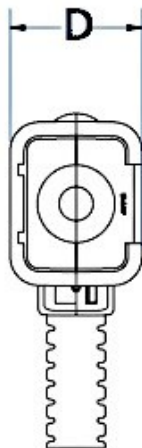
Part No. 90° Elbow Swivel Interface	Conduit (A)		Nominal Dimensions				Connector Reference
	NC	NW	B	C	D	E	
CI08-90-AT2PL	8	7.5	49	32	20	7.1	2 Way
CI08-90-AT3PL	8	7.5	49	34	20	7.1	3 Way
CI08-90-AT4PL	8	7.5	53	34	23	7.1	4 Way
CI12-90-AT2PL	12	10	49	32	20	7.1	2 Way
CI12-90-AT3PL	12	10	49	34	20	7.1	3 Way
CI12-90-AT4PL	12	10	53	35	23	7.1	4 Way

Note : Nominal Dimensions are in mm

LP = Low Profile back shell for AMPSEAL Plug,

LR = Low Profile Back Shell for AMPSEAL Receptacle

PL= Standard Profile Back Shell for AMPSEAL Plug



011 974 9671

sales@ttsafrica.com

Unit F11, Roete 24, 50 Herman Street, Meadowdale, Germiston, South Africa



Connect and Protect

TransTechnical Solutions

Technical Data Sheet

Non-Metallic Systems

Ampseal16 Straight Interface

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%
-------------------------------	-----------------------------	-----------------------

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.

011 974 9671

sales@ttsafrica.com

Unit F11, Roete 24, 50 Herman Street, Meadowdale, Germiston, South Africa