



**Conduit**  
Contractor Pack

**Construction**  
Light weight Polypropylene



## Non-Metallic Systems CP-AF20BS-PP, CP-AF25BS-PP

**Applications** General Contractor Pack

**Fittings**  
IP54

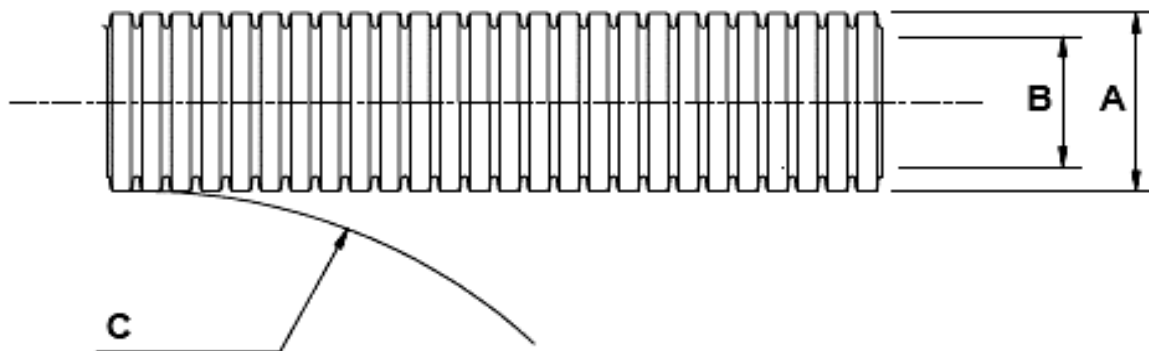
CP-AF20A-APP  
CP-AF25A-APP

**Characteristics** Medium UV Resistance  
High Flexibility  
Medium Fatigue Life  
Halogen Free



**Material** Standard Polypropylene co-polymer  
UV stabilised

Part No.	Conduit Size		Dimensions				Colour
	Metric	Pitch	(B) Minimum Bore	(A) Outside Diameter	Reel Length	(C) Min Bend Radius	
CP-AF20BS-PP	20	F	14.1	19.7	10	40	Grey
CP-AF25BS-PP	25	F	19.2	24.5	10	50	Grey





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### Mechanical Properties

Test Type	Method/Standards	Requirements	Value
Crush Strength	IEC 61386-1	<25% crush >90% recovery	>125N
Tensile Strength	AFX norm T1987	Pull off of fitting	100 N
Impact Strength	IEC 61386-1	No Cracks. <20% deformation	>2.0 J
Static Bend Radius	AFX norm S1985	20mm Size	40mm
Dynamic Bend radius	IEC 61386-1	5000 cycles minimum	120mm

### Thermal Properties

Test Type	Method/Standards	Requirements	Value
Minimum Temperature	IEC 61386-1	Permanent use Flexing	-5 °C
Minimum temperature	-	Permanent use Static	-20 °C
Maximum Temperature	-	Permanent use Static	90 °C
Maximum Short Term Temperature	IEC 61386-1	Temporary use	105 °C

### Flammability, Smoke and Toxicity (FST) Performance

Test Type	Method/Standard	Requirement	Result	Unit
Halogen Free	LUL	<0.5%	Yes	Yes/No
Phosphorus Free	LUL	<0.5%	Yes	Yes/No
Sulphur Free	LUL	<0.5%	Yes	Yes/No
Oxygen Index	ISO 4589	% Oxygen to support combustion	18	%
Glow Wire Rating	IEC 695	No ignition, Extinguish within 2 s	-	°C
Flammability	UL94	Vertical (V0.V2) or Horizontal (HB)	HB	

### Pre test Conditions

Duration	Standard	Temperature	Relative Humidity
168 (Hours)	IEC61386	23 (°C)	50 (%)



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### Chemical Properties

Astm No.1	Green	Methanol	Green
Astm No.2	Green	Methyl Bromide	Orange
Astm No.3	Orange	MEK	Green
Acetic Acid (10%)	Green	Nitric Acid (10%)	Green
Acetone	Green	Nitric Acid (70%)	Green
Aluminium Chloride	Green	Oxalic Acid	Green
Aniline	Green	Ozone (Gas)	Orange
Benzaldehyde	Orange	Paraffin oil	Green
Benzene	Orange	Petrol	Green
Carbon tetrachloride	Orange	Phenol	Green
Chlorine water	Orange	Sea Water	Green
Chloroform	Orange	Silver Nitrate	Green
Citric Acid	Green	Skydrol	Green
Copper Sulphate	Green	Sodium Chloride	Green
Cresol	Green	Sodium Hydroxide (10%)	Green
Diesel oil	Green	Sodium Hydroxide (60%)	Green
Diethylamine	Green	Sulphur Dioxide (Gas)	Green
Ethanol	Green	Sulphuric Acid (10%)	Green
Ether	Green	Sulphuric Acid (70%)	Green
Ethylamine	Green	Toluene	Green
Ethylene Glycol	Green	Transformer Oil	Green
Ethyl Ethanoate	Green	1,1,1-Trichloroethane	Orange
Freon 32	Green	Trichloroethylene	Orange
Hydrochloric Acid (10%)	Green	Turpentine	Not Suitable
Hydrochloric Acid (36%)	Green	Vegetable Oil	Green
Hydrogen Peroxide (35%)	Green	Vinyl Acetate	Green
Hydrogen Peroxide (87%)	Orange	Water	Green
Lactic Acid	Green	White Spirit	Green
Lubricating oil	Green	Zinc Chloride	Green

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 Adaptaflex for further information.



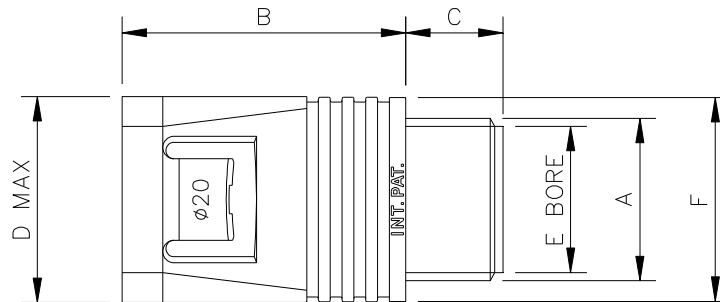
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Dimension charts for associated fittings  
**ADAPTALOK**



Part No.	Tread	Dimensions					Weight
		A	B	C	D	E	
CP-AF20A-APP	M20x1.5	34.8	12.0	28.1	15.2	25.0	6.5
CP-AF20A-APP	M25x1.5	36.0	13.0	33.3	20.0	30.8	8.7