Non-Metallic Systems Xtraflex RF Type A



Technical Characteristics				
Conforms to	Low voltage directive			
Approvals and Standards	(E			
Degree of mechanical protection	High Impact Resistance			
Degree of protection	IP67 - As standard			
UV protection	Very High			
·	Very High			
Fitting Characteristics	Straight fitting - Fixed external male thread Black (BL) Only			
Application	For insertion into threaded entries or knockouts using a locknut to secure (Locknuts Supplied with METRIC Threads Only)			
Normal operating temperature range	Application Min Temp	Max Temp		
	Static - 5°C	+60°C		
	Dynamic - 5°C	+60 °C		
For use with - Conduit Series	Standard weight PVCu X	traflex <u>RF</u>		
Fire performance (Fittings ONLY)	Test Standard	Performance Rating		
	ISO 4589-2	24%		
	BS EN 60695-2-11	850°C	Self Extinguishing	
	UL94	V2	Low Smoke & Halogen Free	
Testing data	Click or See page 3			
Type of material	Polyamide (Nylon) 66 - B	ody		
Image		N/A		

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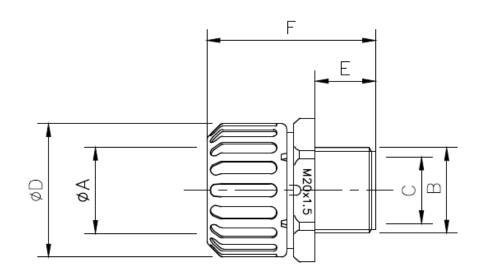


Dimensional & Thread Data

-			Nominal Dimensions (mm)			
Part No Black Body Metric Threads	Nominal Conduit A	Thread B	С	D	E	F
RF12/M16/A/BL	12	M16x1.5	8.0	22.0	11.5	35.5
RF16/M16/A/BL	16	M16x1.5	10.0	27.0	11.5	35.5
RF16/M20/A/BL	16	M20x1.5	10.0	27.0	13.0	37.0
RF20/M20/A/BL	20	M20x1.5	13.5	33.0	13.0	43.5
RF25/M25/A/BL	25	M25x1.5	19.0	43.0	15.5	52.5
RF32/M32/A/BL	32	M32x1.5	25.0	47.0	16.5	53.5

Metric	Standard thread conforming to EN60423 & BS3643			
Thread Size	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch	
M12	12mm	10.9mm	1.5mm	
M16	16mm	14.4mm	1.5mm	
M20	20mm	18.4mm	1.5mm	
M25	25mm	23.4mm	1.5mm	
M32	32mm	30.4mm	1.5mm	
M40	40mm	38.4mm	1.5mm	
M50	50mm	48.4mm	1.5mm	
M63	63mm	61.4mm	1.5mm	





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Technical Data Sheet 201409 Page 3

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Thermal Properties

Test Type	Methods / Standards	Requirements	Value
Dynamic Applications		5000 Operations at MBR 2hrs	-5°C to +60°C
Static Short Term Temp		Temporary Use (3000hrs)	-5°C to +60°C
Static Long Term Temp		Permanent Use (30,000) Hours	-5°C to +60°C

Flammability

Test Type	Method / Standard	Requirement	Result	Unit
Glow Wire	BS EN 60695-2-11	Extinguish within 30s	850°C	°C
Flammability	IEC 61386-1-12	1Kw Burner Flame to Self Extinguish	Pass	Pass/Fail
Oxygen Index	ISO 4589-2		24.1	%

Chemical Resistance Chart

	Astm No.1	Diesel oil	Methyl Bromide	Sulphur Dioxide (Gas)
	Astm No.2	Diethylamine	MEK	Sulphuric Acid (10%)
Key:	Astm No.3	Ethanol	Nitric Acid (10%)	Sulphuric Acid (70%)
	Acetic Acid (10%)	Ether	Nitric Acid (70%)	Toluene
Suitable :	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
Unsuitable :	Benzene	Hydrochloric Acid (10%)	Phenol	Vegetable Oil
	Carbon tetrachloride	Hydrochloric Acid (36%)	Sea Water	Vinyl Acetate
Not Tested :	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.

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Tel: +44(0)1675 468 222 - Fax: +44(0)1675 464 930