




Metallic Systems



XQ - Liquid Tight - for Covered Conduit

Technical Characteristics

Conforms to	BSI Kitemark KM-90009 UL514B file number E60625 Low voltage directive		
Approvals and Standards	  		
Degree of mechanical protection	Very High		
Degree of protection	IP66 as standard with FLT, FLB, FUB & FLH IP67 as standard with FLT, FLB, FUB & FLH		
UV protection	Very High		
Fitting characteristics	Straight fitting - external male thread		
Application	For insertion into threaded entries & knockouts using a locknut to secure		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 65°C	+150°C
	Dynamic	- 45°C	+150°C
For use with - Conduit series	Covered Galvanised Steel - with FLB , FLT , FUB & FLH		

Fire performance	Test Standard	Performance Rating
	Not Rated	Not Rated

Testing data	Click or see page 4
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Type of material	Nickel Plated Brass , Co-Polyester seal - Nylon inserts
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Dimensional Data

Part No	Thread Size & Pitch	Nominal Dimensions (mm)				
		Thread DIA	Min Bore	Across Flats	Thread Length	Nominal Length
XQM0203	M16 x 1.5	16.0	8.6	24.0	12.0	32.0
XQM0203	M16 x 1.5	16.0	10.3	25.4	12.0	33.0
XQM0304	M20 x 1.5	20.0	10.3	25.4	13.0	34.0
XQM0404	M20 x 1.5	20.0	14.3	28.5	12.5	34.5
XQM0505	M25 x 1.5	25.0	17.6	35.0	15.0	40.0
XQM0606	M32 x 1.5	32.0	24.0	42.0	15.0	45.0
XQM0707	M40 x 1.5	40.0	33.0	52.0	16.0	54.0
XQM0808	M50 x 1.5	50.0	38.5	60.0	18.0	59.0
XQM0909	M63 x 1.5	63.0	50.0	70.0	25.0	71.0

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643		
	Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5

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Dimensional Data

Part No	Thread Size	Nominal Dimensions (mm)				
		Thread DIA	Min Bore	Across Flats	Thread Length	Nominal Length
XQA0304	1/2"	20.4	10.3	25.4	11.0	32.0
XQA0404	1/2"	22.5	14.3	28.5	11.0	33.0
XQA0505	3/4"	28.3	17.6	35.0	12.0	37.0
XQA0606	1"	37.0	24.0	42.0	12.0	42.0
XQA0707	1 1/4"	47.0	33.0	52.0	16.0	54.0
XQA0808	1 1/2"	54.0	38.5	60.0	18.0	59.0
XQA0909	2"	59.3	50.0	70.0	25.0	71.0

Thread Data

NPT	US taper seal pipe thread conforming to ANSI/ASME B1.20.1-1983	
Thread Size Inch	Ext Thread Outside Diameter	Pitch
1/2"	21.0	1.81
3/4"	26.4	1.81
1"	33.3	2.21
1 1/4"	41.9	2.21
1 1/2"	47.8	2.21
2"	59.6	2.21

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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%)	

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.