

● RANGE OVERVIEW

The Electroflex range includes three broad non-metallic conduit types; 150 Series, 160 series and 170 series, providing a comprehensive package of cable protection for a diverse range of applications.

150 Series

A high quality spiral reinforced PVC conduit with fittings that can be assembled by hand. Its all-insulated construction offers complete protection to cables while a smooth bore facilitates fast cable insertion. 150 series is extremely flexible and can be coiled on its' own diameter without effort or damage to the conduit, neither is there a reduction in its cross section therefore protecting cables at all times.

150 Series is a UL recognised component, will not support combustion and achieves IP65 with relevant connectors. It is available in three versions:

- 150 Standard PVC in Black
- 154 Oil Resistant PVC in Green
- 158 Heat Resistant PVC in Blue

160 Series

160 Series is a reinforced PVC conduit with a smooth outer surface ideal for use in hygiene sensitive environments where there can be no traps for dirt, and an IP65 rating makes it suitable for hose down applications. 160 Series also provides an improved level of abrasion and crush resistance over 150 Series yet is still highly flexible and suitable for repeated flexing.

- 160 Series is available in black.



170 Series Rhino

170 Series Rhino PVC conduit is a liquid tight system to IP67 with a smooth outer surface. It is extremely tough but is easy to work with and can be hand cut with a sharp knife.

Ideal for the food industry and corrosive environments, 170 Series is available in four types:

- 171 Standard PVC in Grey
- 172 Oil Resistant in Green
- 178 Standard PVC in Orange
- 180 Standard PVC in Black



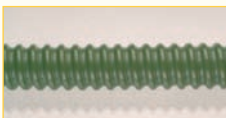
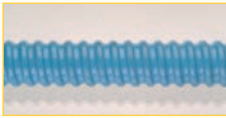
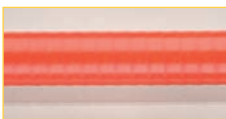
Electroflex Non-Metallic Conduit System

CONDUIT SELECTION

See page 42-44 for suitable connectors



Electroflex Non-Metallic Conduit System

						BRITISH CONDUIT SIZE (mm)										
						INSIDE DIA. (mm)										
						COIL LENGTHS (m)										
		Temp. Rating	Flame Propagation	Special Characteristics	Approvals		10/20	10/30	10/30	10/30	10/30	10/30	10/30	10/30	10/30	10/30
150 Standard Flexible PVC		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC	UR component recognised	Colour										
						BLACK	EF150006*	EF150008*	EF150010*	EF150012*	EF150016*	EF150022*	EF150028*	EF150035*	EF150040*	EF150050*
154 Oil Resistant Flexible PVC		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Oil resistant flame retardant PVC	UR component recognised	GREEN	-	EF154008*	EF154010*	EF154012*	EF154016*	EF154022*	EF154028*	EF154035*	EF154040*	EF154050*
158 Heat Resistant Flexible PVC		-20°C to +90°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Heat resistant flame retardant PVC	UR component recognised	BLUE	-	EF158008*	EF158010*	EF158012*	EF158016*	EF158022*	EF158028*	EF158035*	EF158040*	EF158050*
160 Standard Flexible PVC		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC		BLACK	-	-	EF160010x30 [†]	EF160012*	EF160016*	EF160022*	EF160028*	EF160035*	EF160040*	EF160050*
171 Rhino		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC	UL Listed	INSIDE DIA. (mm)	-	-	-	12.7	16.2	21.3	27.0	35.7	40.6	51.9
						GREY	-	-	-	EF171012*	EF171016*	EF171021*	EF171026*	EF171035*	EF171040*	EF171050*
172 Rhino Oil Resistant		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Oil resistant PVC	UL Listed	GREEN	-	-	-	EF172012*	EF172016*	EF172021*	EF172026*	EF172035*	EF172040*	EF172050*
178 Rhino		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC	UL Listed	ORANGE	-	-	-	EF178012*	EF178016*	EF178021*	EF178026*	EF178035*	EF178040*	EF178050*
180 Rhino		-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC	UL Listed	BLACK	-	-	-	EF180012*	EF180016*	EF180021*	EF180026*	EF180035*	EF180040*	EF180050*
							* add 'x' and coil length to complete part number e.g 10 metres of 150 Series 10mm in black is = EF150008x10									
							† EF160010x30 only available in 30 metre coils									



Electroflex Non-Metallic Conduit System

CONNECTOR SELECTION

See pages 40 - 41 for suitable conduits



Electroflex Non-Metallic Conduit System

		Connector Description	Suitable Conduits	IP Rating	BRITISH CONDUIT SIZE (mm) Pack Quantity	8 25	10 25	12 25	16 25	16 25	16 25	20 25	20 25	25 10	25 10	32 5	40 5	40 5	50 2	63 1
150 Series Straight Connector		Straight male, multi-part Flame retardant, UL94-V ₂ Black polypropylene	150 154 158	IP65	Thread Size - Metric (mm) Ordering Code	16 EF952006	- -	12 EF952010	16 EF952012	- -	- -	20 EF952016	- -	25 EF952022	- -	32 EF952028	40 EF952035	- -	50 EF952040	63 EF952050
					Thread Size - PG Ordering Code	- -	7 EF954008	7 EF954010	9 EF954012	11 EF954013	13.5 EF954014	11 EF954016	16 EF954018	16 EF954022	21 EF954023	29 EF954029	29 EF954035	36 EF954036	42 EF954040	48 EF954050
					Thread Size - Gas (in.) Ordering Code	- -	1/4 EF950008	1/4 EF950010	3/8 EF950012	- -	- -	1/2 EF950016	- -	3/4 EF950022	- -	1 EF950028	1 1/4 EF950035	- -	1 1/2 EF950040	2 EF950050
					Pack Quantity	-	-	10	10	10	10	10	10	10	10	5	-	5	-	-
150 Series 90° Elbow Connector		90° male elbow, multi-part Flame retardant, UL94-V ₂ Black polypropylene	150 154 158	IP65	Thread Size - Metric (mm) Ordering Code	- -	- -	12 EF972010	16 EF972012	- -	- -	20 EF972016	- -	25 EF972022	- -	32 EF972028	40 EF972035	- -	- -	- -
					Thread Size - PG Ordering Code	- -	- -	7 EF974010	9 EF974012	11 EF974013	13.5 EF974014	11 EF974016	16 EF974018	16 EF974022	21 EF974023	29 EF974029	- -	36 EF974036	- -	- -
					Thread Size - Gas (in.) Ordering Code	- -	- -	1/4 EF970010	3/8 EF970012	- -	- -	1/2 EF970016	- -	3/4 EF970022	- -	1 EF970028	- -	1 1/4 EF970035	- -	- -
					Pack Quantity	-	-	10	-	10	-	10	-	10	-	5	-	5	-	-
160 Series Straight Connector		Straight male, multi-part Flame retardant, UL94-V ₂ Black polypropylene	160	IP65	Thread Size - Metric (mm) Ordering Code	- -	- -	12 EF952011	- -	16 EF952013	- -	20 EF952017	- -	25 EF952023	- -	32 EF952029	40 EF952039	- -	50 EF952041	63 EF952051
					Pack Quantity	-	-	25	-	25	-	25	-	10	5	-	5	-	2	1
160 Series 90° Elbow Connector		90° male elbow, multi-part Flame retardant, UL94-V ₂ Black polypropylene	160	IP65	Thread Size - Metric (mm) Ordering Code	- -	- -	12 EF972011	- -	16 EF972013	- -	20 EF972017	- -	25 EF972023	- -	32 EF972029	- -	40 EF972036	- -	- -
					Pack Quantity	-	-	10	-	10	-	10	-	10	-	5	-	5	-	-

160 SERIES ACCESSORIES

To use any non-metric 150 Series connector with 160 Series conduit simply replace the included black sealing ring with the Green 746 Series sealing ring of the appropriate size.

746 Series Sealing Ring		Flame retardant, UL94-V ₂ Green polypropylene	160	IP65	BRITISH CONDUIT SIZE (mm)	12	16	20	25	32	40	50	63
					Pack Quantity	25	25	25	10	5	5	2	1
					Ordering Code	EF746010	EF746012	EF746016	EF746022	EF746028	EF746035	EF746040	EF746050



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CONNECTOR SELECTION

See pages 40 - 41 for suitable conduits

BRITISH CONDUIT SIZE (mm)	16	16	16	20	20	20	25	25	32
US TRADE SIZE (INCHES)	3/8	3/8	3/8	1/2	1/2	1/2	3/4	3/4	1
Pack Quantity	25	25	25	25	25	25	10	10	5

Connector Type: 170 Series Straight Connector

Connector Description: Straight male, multi-part PVC

Approvals: UR component recognised

Suitable Conduits: 171, 172, 178 and 180 Series

IP rating with Suitable Conduits: IP67



Thread Size - Metric (mm)	16	-	-	20	-	-	-	25	32
Ordering Code	EF942012	-	-	EF942016	-	-	-	EF942022	EF942026
Thread Size - PG	9	11	13.5	11	13.5	16	16	21	21
Ordering Code	EF944012	EF944013	EF944014	EF944016	EF944017	EF944018	EF944021	EF944022	EF944026

Note: For larger sizes please use the KF-F connectors on page 10.

ACCESSORIES

Accessory Type: P Clip

Accessory Description: Nylon 6.6, black conduit support

P Clips are the ideal way to fix and support conduit lengths

BRITISH CONDUIT SIZE (mm)	16	20	25	32
Ordering Code	EF980012	EF980016	EF980022	EF980028