

Non-metallic conduit selection guide

Conduit System		FPAS	FPAL	FPAH	FPASC	FPR	FPADS	FPI	FPIH	FPIHR	FPP	FPP-NFR	FPP-H
IP Rating	IP40						●						
	IP54												
	IP65												
	IP66	●	●	●	●	●		●	●	●	●	●	●
	IP67	●	●	●	●	●		●	●	●	●	●	●
	IP68	●	●	●	●	●		●	●	●	●	●	●
	IP69	●	●	●	●	●		●	●	●			
Compression Strength (kg / 100mm)		75	60	120	75	75	60	45	60	60	35	35	100
Pull Off Strength (kg) for 21/20mm size		40	30	70	40	40	15	30	50	35	25	25	40
Min Bend Radius (mm) for 21/20mm size		45	40	55	45	45	120	35	45	55	40	40	60
Colours		black, grey	black, grey	black	black, grey	black	black, blue, orange, white	black	black	black	black, grey, white	black	black
High Fatigue Life		●	●		●			●	●	●			
Temp	Max	120°C	120°C	120°C	120°C	120°C	120°C	110°C	110°C	110°C	90°C	90°C	90°C
	Min	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C	-50°C	-50°C	-50°C	-20°C	-20°C	-20°C
Category	Flexible	●	●	●	●	●		●	●	●	●	●	●
	Pliable						●						
Low Fire Hazard	** Extra Standard												
	Halogen Free	●	●	●	●	●	●	●	●	●		●	
	Self Extinguishing	●	●	●	●	●	●	●	●	●	●		●
	EN 45545-2					●				●			
	NFPA-130					●				●			
Abrasion Resistance		●		●	●	●	●		●	●			
Resistance to solvents		●	●	●	●	●	●	●	●	●			
UV Resistance		●		●	●	●	●	●	●	●			
Approvals	UL Recognised	●	●	●		●		●	●				
	UL Listed				●								
	Lloyds	●				●							
	London Underground					●							
	Network Rail	●		●		●	●		●	●			
	Food Contact												
ROHS		●	●	●	●	●	●	●	●	●	●	●	●
REACH		●	●	●	●	●	●	●	●	●	●	●	●
Page Number		44	44	44	44	45	45	45	45	45	46	46	46

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	FPL	FPY	FPYS	FPYL	FPYLS	FPCB	FPCG	FPCGN	FPCBU	LPCB	LPCO	LPCBU	LPCGN	LPC-FG
	●	●		●										
						●	●	●	●					
	●									●	●	●	●	●
	●	●		●						●	●	●	●	●
										●	●	●	●	●
	150	60	N/A	45	N/A	60	60	60	60	120	120	120	120	120
	30	25	N/A	15	N/A	25	25	25	25	70	45	60	60	60
	30	40	40	40	40	35	35	35	35	70	70	70	70	70
	black, grey, white	black, grey	black	black	black	black	light grey	green	blue	black	orange	blue	green	white, blue, grey
		●												
	70°C	120°C	120°C	120°C	120°C	70°C	70°C	70°C	90°C	70°C	70°C	90°C	70°C	90°C
	-5°C	-40°C	-40°C	-40°C	-40°C	-5°C	-20°C	-20°C	-20°C	-5°C	-20°C	-20°C	-20°C	-20°C
		●		●		●	●	●	●	●	●	●	●	●
	●		●		●									
		●		●										
	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		●	●	●	●									
						●				●				
						●	●	●	●					
														●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	70	72	72	72	72	78	78	78	78	80	80	80	80	84