

Selection table for conduit

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Conduits									
Conduit Type	NC	NCV	CTPA	HNC	CPC	PP	DSPP	PKC	HTC
Conduit material	Polyamide 6	FR Polyamide 6	Polyamide 6	Polyamide 12	FR Co-Polyester	Polypropylene	Modified Polypropylene	Polyether-etherketone	Modified Co-Polyester
Conduit weight	Standard weight	Standard weight	Lightweight	Standard weight	Medium weight	Medium weight	Medium weight	Standard weight	Medium weight
Slit version available	•	–	•	–	–	•	Slit only	–	–

Characteristics									
Temperature Range									
Long term static min.	-40°C	-40°C	-40°C	-45°C	-50°C	-20°C	-20°C	-60°C	-40°C
Long term static max.	+120°C	+120°C	+120°C	+105°C	+135°C	+90°C	+90°C	+260°C	+175°C
Maximum temperature	+150°C	+150°C	+150°C	+120°C	+175°C	+105°C	+105°C	+300°C	190°C
UV Resistance	■■■■	■■■■	■■■■	■■■■	■■■■	■■■□	■■■■	■■■■	■■■■
Flexibility	■■■□	■■■□	■■■□	■■■■	■■■■	■■■□	■■■□	■■■□	■■■■
Fatigue life	■■■□	■■■□	■■■□	■■■■	■■■■	■■■□	■■■□	■■■■	■■■■
Ext. wear resistance	■■■■	■■■■	■■■■	■■■□	■■■□	■■■□	■■■□	■■■■	■■■□
Self extinguishing	•	•	•	•	•	–	•	•	•
Halogen free	•	•	•	•	•	•	•	•	•
Low smoke toxicity	•	•	•	•	•	–	–	•	•

Approvals									
CE	•	•	•	•	•	•	•	•	•
UL94 V0	–	•	–	–	–	–	–	•	–
UL94 V2	–	–	–	–	•	–	•	–	–
UL94 HB	•	–	•	•	–	•	–	–	•
RoHS Compliant	•	•	•	•	•	•	•	•	•
ADR Approved	•	–	–	–	–	–	–	–	–
(ELV) EU200/53/EC	•	•	•	•	•	•	•	•	•

Chemical resistance									
IRM 903 (ASTM Oil No.2)	S	S	S	S	S	S	S	S	S
Diesel Oil	S	S	S	S	S	S	S	S	S
Ethylene Glycol (Anti-freeze)	S	S	S	S	S	S	S	S	S
Lubricating Oil	S	S	S	S	S	S	S	S	S
Methyl Alcohol	L	L	L	S	S	S	S	S	S
Parafin Oil	S	S	S	S	S	S	S	S	S
Petrol	S	S	S	S	S	S	S	S	S
Sodium Chloride	S	S	S	S	S	S	S	S	S
Sodium Hydroxide (10%)	S	S	S	S	S	S	S	S	S
Transformer Oil	S	S	S	S	S	S	S	S	S
Urea	S	S	S	S	NT	NT	NT	S	S
Vegetable Oil	S	S	S	S	S	S	S	S	S
Sea (Water)	S	S	S	S	S	S	S	S	S

Key: S = Suitable / L = Limited Suitability / U = Unsustainable / NT = Not Tested / Maximum Performance = ■■■■ All chemicals tested for resistance at 23°C

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