

Material	Temperature	Common Uses	Advantages
PVC	-55°C to +105°C	<ul style="list-style-type: none"> • Primary in multi-conductor • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Cost effective • Flexible • Medical grades
FEP	-70°C to +200°C	<ul style="list-style-type: none"> • Primary in multi-conductor • Coax / Twinax 	<ul style="list-style-type: none"> • Excellent heat resistance • Outstanding water/chemical resistance • Outstanding flame retardancy • Low outgas • Very good dielectric properties
PFA	-70°C to +260°C	<ul style="list-style-type: none"> • Primary in multi-conductor • Coax / Twinax 	<ul style="list-style-type: none"> • Excellent heat resistance • Outstanding water/chemical resistance • Outstanding flame retardancy • Low outgas • Very good dielectric properties
Tefzel® (ETFE)	-70°C to +180°C	<ul style="list-style-type: none"> • Primary in multi-conductor • Coax / Twinax 	<ul style="list-style-type: none"> • Excellent flex modulus • Excellent heat resistance • Better at tight bend than other fluoropolymers • Excellent water/chemical resistance • Very good dielectric properties
ECA	-70°C to +300°C	<ul style="list-style-type: none"> • Primary in multi-conductor 	<ul style="list-style-type: none"> • Excellent heat resistance • Outstanding water/chemical resistance • Outstanding flame retardancy • Low outgas • Very good dielectric properties
Polyethylene	-60°C to +80°C	<ul style="list-style-type: none"> • Coax / Twinax 	<ul style="list-style-type: none"> • Very good dielectric properties • Outstanding water resistance
Polypropylene	-40°C to +105°C	<ul style="list-style-type: none"> • Coax / Twinax 	<ul style="list-style-type: none"> • Very good dielectric properties • Outstanding water resistance
Polyurethane	-50°C to +80°C	<ul style="list-style-type: none"> • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Excellent abrasion resistance • Very good flexibility • Can be coiled • Halogen free • Medical grades
Hytrel® (Polyester)	-40°C to +135°C	<ul style="list-style-type: none"> • Primary in multi-conductor 	<ul style="list-style-type: none"> • Excellent abrasion resistance • Can be coiled • Excellent flex life characteristics
TPE/TPR	-40°C to +125°C	<ul style="list-style-type: none"> • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Highly flexible grades • Light weight grades • Medical grades
Alcryn	-40°C to +107°C	<ul style="list-style-type: none"> • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Highly flexible grades • Light weight grades • Medical grades
Santoprene® TPV	-50°C to +105°C	<ul style="list-style-type: none"> • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Highly flexible grades • Light weight grades • Medical grades
Silicone Rubber	-50°C to +200°C	<ul style="list-style-type: none"> • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Outstanding flexibility • Outstanding heat resistance • Medical grades • Can be coiled
Peek	-60°C to +190°C	<ul style="list-style-type: none"> • Primary in multi-conductor • Jacket for multi-conductor 	<ul style="list-style-type: none"> • Radiation resistance • Low smoke & Halogen-free • Fire, smoke and chemical resistance properties • Nuclear power cables