

Summary of Insulation Types and Ratings:

Insulation Type	Maximum Voltage Class (kV)	Maximum Operating Temperature (°C)	Maximum Overload Temperature (°C)	Maximum Short-Circuit Temperature
Paper (solid-type) multicore and shielded	9–69	80–95	110–115	200
Varnished cambric	5–28	72–85	85–100	200
Polyethylene (natural)	5–35	75	95	150
SBR Rubber	2–35	75	95	200
Butyl Rubber	5–35	85–90	100–105	200
Oil-Base Rubber	35	90	105	200
Polyethylene (crosslinked)	35	90	130	250
EPR Rubber	35	90	130	250
Chlorosulfonated Polyethylene	5	90	105	200
Polyvinyl Chloride (PVC)	2	70	105	160
Silicone Rubber	5	125	150	200
Ethylene Tetrafluoroethylene (ETFE)	2	150	200	250