



TECHNICAL DATA SHEET

ACCL-54T CONNECTOR LUBRICANT

ACCL Connector Lubricants are based on proven polyphenyl ether technology that form highly stable, non-spreading lubricant films that permit electric current flow as well as protect connector surfaces against corrosion even if the connectors are exposed to aggressive atmospheres. ACCL Connector Lubricants are polyphenyl ether lubricants dissolved in a solvent to facilitate application. On evaporation, they leave a durable polyphenyl ether film that protects connectors against wear and corrosion, including fretting corrosion, and maintains low and stable contact resistance. These lubricants will last and continue to work for decades or the life of the equipment. An ultraviolet dye is incorporated in all ACCL Connector Lubricants for easy identification during quality control inspections. These lubricants conform to Telcordia® requirements, GR-78, GR-357 and GR-121.

ATTRIBUTES

- ◆ Reduces insertion/withdrawal forces
- ◆ Eliminates fretting corrosion
- ◆ Resists chemical attack and inhibits corrosion
- ◆ Non-migrating due to high surface tension
- ◆ Resists oxidation and increases connection cycles
- ◆ Maintains low and stable contact resistance
- ◆ Protects connectors for life of the equipment
- ◆ Contains no silicone
- ◆ Safe and non-toxic

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES^{1 2}

Appearance	Clear Fluid	Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [600°F, 48h]	
Viscosity at 40°C – ASTM D 445, cSt	1650	TAN Change	0
Noble (Precious) Metal Corrosion, 1000 hr	None	Viscosity Change at 40°C	None
Copper Corrosion – ASTM D 130 [100 °C, 24h]	1a	Metal Weight Change, mg	
Fretting Corrosion, 1000 hr	None	Steel	0.02
Surface Tension at 100°F, Dyne/cm	54.2	Silver	0.03
Thermal Conductivity, (W/m K)	0.13	Copper	0.14
Volume Resistivity, ohm-cm	> 10 ¹⁵	Aluminum	0.04
Temperature Range, °C	-40 to 150	Titanium	0.02

¹ Properties listed above are based on neat lubricant after solvent evaporation.

² Please note that these data are typical of samples tested in the laboratory and are not to be considered as sales specifications.