

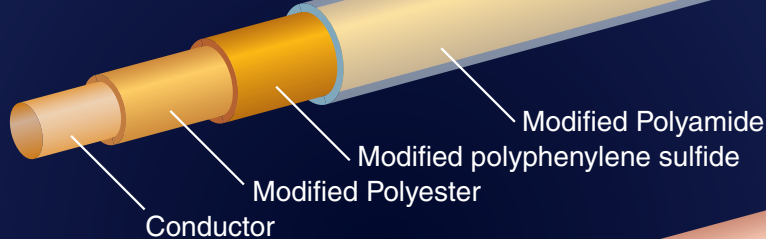
TEX-BS

TEX-FS

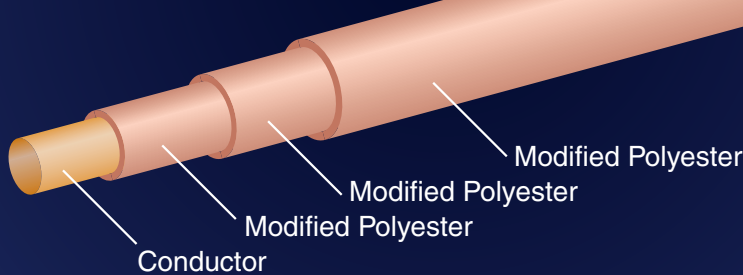
TEX-BS and TEX-FS are Reinforced Insulated Wire with thermal Class B and F respectively.

CONSTRUCTION

TEX-BS



TEX-FS



FEATURES

- Conforming to reinforced insulation according to IEC and UL
- Solderable without removing insulation
- It makes possible to reduce transformer size.
- Wide choice of conductor size from 0.20mm to 1.00mm
- Easy wire stripping (TEX-BS)
- TEX-FS have been approved by UL and VDE for IEC 60601-1 (Medical electrical equipment).

Safety Approvals

Certification bodies (certificate No.)	Standards	
	TEX-BS	TEX-FS
UL (File E206440)	UL1950 UL2353, UL 60950-1 (*1)	UL1950 UL2353, UL 60950-1 (*1) UL2353, UL 60601-1 (*3)
VDE (40022788)	IEC/EN 60950-1 (*2) IEC/EN 60065 (*2)	IEC/EN 60950-1 (*2) IEC/EN 60065 (*2) IEC/EN 60601-1 (*3)

*1 Working Voltage: 1000V rms

*2 Working Voltage: 700V rms

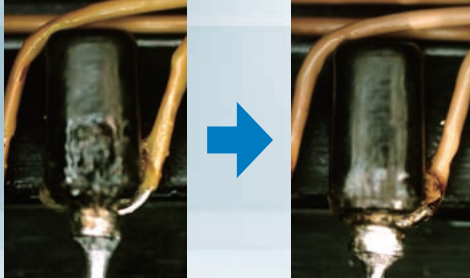
*3 Working Voltage for medical equipment: 250V rms

TEX-B TEX-F



TEX-B

Improved melt-up issue during soldering!



TEX-E

TEX-B

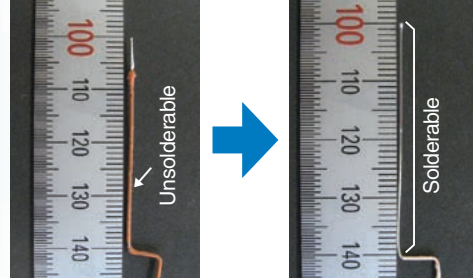
sample : $\phi 0.4$ mm
soldering condition : 420°C 6sec

Easy to remove insulation by mechanical stripper!!



TEX-FS

Solderable w/o removing insulation!!



Competitor's class F wire

TEX-FS

sample : $\phi 0.4$ mm
soldering condition : 420°C 4sec
dipping length : 40mm

● Characteristics

Items	Chatacteristics	
	TEX-B	TEX-FS
Breakdown Voltage	>15kVrms (typ.)	
Withstand Voltage	3000Vrms 1minute	
Soldering Condition (recommend)	420°C 6sec ($\phi 0.4$ mm)	420°C 4sec ($\phi 0.4$ mm)

● Approval Safety Standards and those requirements

Test Conditions	Requirement		
	TEX-B	TEX-FS	
	IEC 60950-1 Annex U		IEC 60601-1 Annex L
Electric Strength	U.2.1 6000Vrms1minute (twisted pair)		L.3.1 8000Vrms1 minute(twisted pair)
Adherence and Flexibility	U.2.2 3000Vrms 1minute(mandrel)		L.3.2 4000Vrms 1minute(mandrel)
Heat Shock	U.2.3 225°C X 30minutes 3000Vrms 1minute(mandrel)	U.2.3 240°C X 30minutes 3000Vrms 1minute(mandrel)	L.3.3 240°C X 30minutes 4000Vrms 1minute(mandrel)
Retention of Electric Strength after Bending	U.2.4 3000Vrms 1minute(mandrel)		L.3.4 4000Vrms 1minute(mandrel)

▶▶ About Products

<http://www.TEX-E.com/>

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