

ACCEPTABLE EDGE FLASH

Edge flash shall not exceed one-quarter insulated wire diameter (1/4 d). Edge flash (as depicted) is considered normal, and should not contaminate or interfere with a crimped or soldered termination.

NASA-STD-8739.4 [10.1.6]

NASA WORKMANSHIP STANDARDS



UNACCEPTABLE

EDGE FLASH / SMEARING

The edge flash is in excess of one-quarter

insulated wire diameter (1/4 d), and the stripped

section exhibits smearing (melted insulation /

film), which is considered a contaminant.

NASA-STD-8739.4 [10.1.6]

WIRE PREPARATION EXCIMER LASER ABLATIVE AND THERMAL STRIPPING (cont.)



ACCEPTABLE SCUFFED INSULATION / JACKET

Slight scuffing (a dull or rubbed appearance) of the insulation surface finish is acceptable, provided no other damage is evident.

NASA-STD-8739.3 [7.2.2] NASA-STD-8739.4 [10.1.2]



UNACCEPTABLE DAMAGED INSULATION / JACKET

The conductor insulation and/or cable jacket shall not exhibit any damage, such as nicks, cuts, or charring. Conductors / jackets exhibiting damage (other than minor scuffing) shall not be used.

NASA-STD-8739.3 [13.6.2.a.1] NASA-STD-8739.4 [19.6.2.a.2]



UNACCEPTABLE BURNED / CHARRED / PITTED INSULATION

Burned or charred insulation is the result of excessive heat application during the stripping process.

NASA-STD-8739.3 [6.6.1], [7.2.2], [13.6.2.a.1] NASA-STD-8739.4 [6.6.1], [10.1.2], [19.6.2.a.1]



UNACCEPTABLE BURNED / ETCHED STRANDS

Burned or etched strands are typically caused by current flow (leakage) between the thermal stripper blades, or as a result of stripping an energized conductor.

NASA-STD-8739.3 [6.6.2.b] NASA-STD-8739.4 [19.6.2.a.2]

NASA WORKMANSHIP STANDARDS



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