

PREFERRED GENERAL REQUIREMENTS (ALL CONDUCTOR / INSULATION TYPES)

The insulation jacket has been neatly trimmed, with no edge flash and no mechanical damage to the conductor or insulation. Conductor stranding exhibits a normal twist pattern (lay).

PREFERRED KAPTON[®] INSULATED CONDUCTORS

The insulation jacket has been trimmed neatly and squarely, with minimal edge flash and no mechanical damage to the conductor or insulation. Conductor stranding lay (twist pattern) is undisturbed.



ACCEPTABLE EDGE FLASH

Edge flash shall not exceed one-quarter insulated wire diameter (1/4 d). Edge flash is a thin layer of insulation that is produced during the stripping process, and is considered a contaminant.

NASA-STD-8739.4 [10.1.6]



UNACCEPTABLE EXCESSIVE EDGE FLASH

The edge flash is in excess of one-quarter insulated wire diameter (1/4 d), and may interfere with the proper completion of a crimped or soldered termination.

NASA-STD-8739.4 [10.1.6]

NASA WORKMANSHIP STANDARDS

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ACCEPTABLE SMOOTH TOOL IMPRESSION MARKS

Smooth tool impression marks (slight cuts, nicks, scratches or scrapes) on the conductor surface, which do not expose base metal or reduce crosssectional area, are acceptable.

NASA-STD-8739.3 [7.2.3] NASA-STD-8739.4 [10.1.3]



Conductors that exhibit reduced cross-sectional area or exposed base metal shall be rejected.

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NASA-STD-8739.3 [7.2.3], [13.6.2.a.8] NASA-STD-8739.4 [10.1.3], [19.6.2.a.2]

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