



**FORMAL
INTERPRETATIONS**

29 July 2005

FI 041

Question:

Std: NZS 4512

Interpretation:

Issued by the Alarms and Detection Group

ANSWER:

An emergency warning and intercommunication system (EWIS) to comply with AS 2220.2 is permitted to be used as the alerting devices (406.8).

The EWIS installation requirements of AS2220.2 must be fully complied with. Non fire-rated cable installed in a fire rated duct would only be acceptable if the arrangement has been formally certified as compliant with the cable protection requirements specified in AS2220.2.

AS 2220.2-1989 Table 5.1 (and AS 1670-4-2004 Table 4.1) requires cable that traverses any fire compartment to service another fire compartment to be mechanically and fire protected.

The presence of a Sprinkler System is immaterial.

Question:

Does the cable itself have to be of a fire insulated type or is it acceptable to use a suitable mechanically rated cable without fire insulation when the trunk duct it runs through is appropriately fire rated and in addition is protected by an automatic fire sprinkler system?