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SMPTE STANDARD

SMPTE 200M-2003

Revision of
ANSI/SMPTE 200M-1998

for Motion-Picture Film (8-mm Type S) — Model 1 Sound Camera Cartridge — Camera Run Length, Perforation Cutout and End-of-Run Notch



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1 Scope and purpose

1.1 Scope

This standard describes the camera run length, perforation cutout notch, and end-of-run notch of film supplied in 8-mm type S model 1 motion-picture film camera cartridges of 15-m and 60-m (50-ft and 200-ft) nominal capacity, and the length of film returned to the customer.

1.2 Purpose

The purpose of this standard is to provide a uniform basis for the operation of footage counters in cameras.

2 Camera run and customer return lengths (see figure 1)

2.1 15-m (50-ft) capacity cartridge

2.1.1 The camera run length of film may vary between 3666 and 3715 perforation pitch intervals (15.52 m and 15.73 m [50.919 ft and 51.608 ft]) (see note 1). The overall length of the film shall be determined by the manufacturer and shall provide the camera run length specified.

2.1.2 The length of film returned to the customer shall contain a minimum of 3600 perforation pitch intervals. The customer return length shall be that portion of the camera run length available for subject matter which starts at least 13 perforation pitch intervals (55 mm [2.17 in]) after the frame located at the camera aperture, as the cartridge is supplied by the manufacturer, and ends at least 37 perforation pitch intervals (157 mm [6.18 in]) short of the limit as provided by a perforation cutout (see annex A.1).

2.2 60-m (200-ft) capacity cartridge

2.2.1 The camera run length of film may vary between 14 450 and 14 530 perforation pitch intervals (61.18 m and 61.52 m [200.722 ft and 201.837 ft]) (see note 1). The overall length of the film shall be determined by the manufacturer and shall provide the camera run length specified.

2.2.2 The length of film returned to the customer shall contain a minimum of 14 400 perforation pitch intervals. The customer return length shall be that portion of the camera run length available for subject matter which starts at least 13 perforation pitch intervals (55 mm [2.17 in]) after the frame located at the camera aperture, as the cartridge is supplied by the manufacturer, and ends at least 37 perforation pitch intervals (157 mm [6.18 in]) short of the limit as provided by a perforation cutout (see annex A.1).

2.3 The end of the film shall have a visual marking in the frame area, and a means shall be provided of stopping the final portion of the film in the film cartridge aperture, affording the user visual confirmation that all the film has been exposed (see annex A.2).