

# AWG 30 Flat Cable (0.847mm Pitch)

## Specifications

Insulation Resistance: 5M $\Omega$  / km min. at 20°C  
 Withstanding Voltage: 1,500 V AC / min.  
 Current Rating: 0.5A  
 Voltage Rating: 150 V max.  
 Conductor Resistance: 362 $\Omega$  / km max. at 20°C  
 Characteristic Impedance: 89 $\Omega$  approx.  
     (ground- signal- ground)  
 Capacity: 65pF / m at 1kHz  
     (ground- signal- ground)  
 Dimension: AWG 30  
 Operating Temp. Range: -20°C to +105°C

## Part Number (Details)

TFC30 - 96 (0.847) \*

Series No.

No. of Conductors

96

Packing Sizes

In Rolls (30.5 meters)

/M = 1 meter

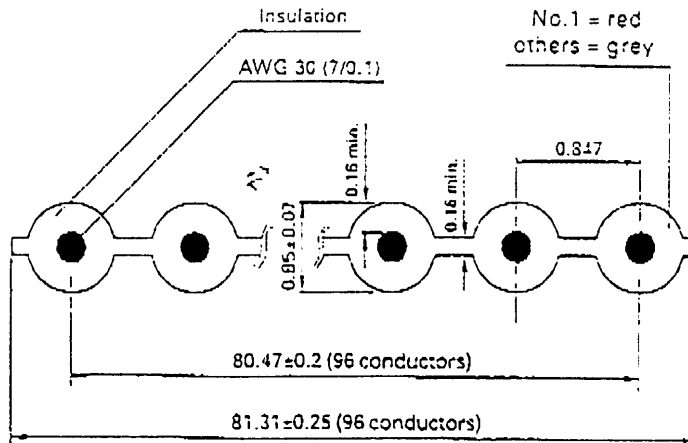
## Applicable Tools for FNS Series

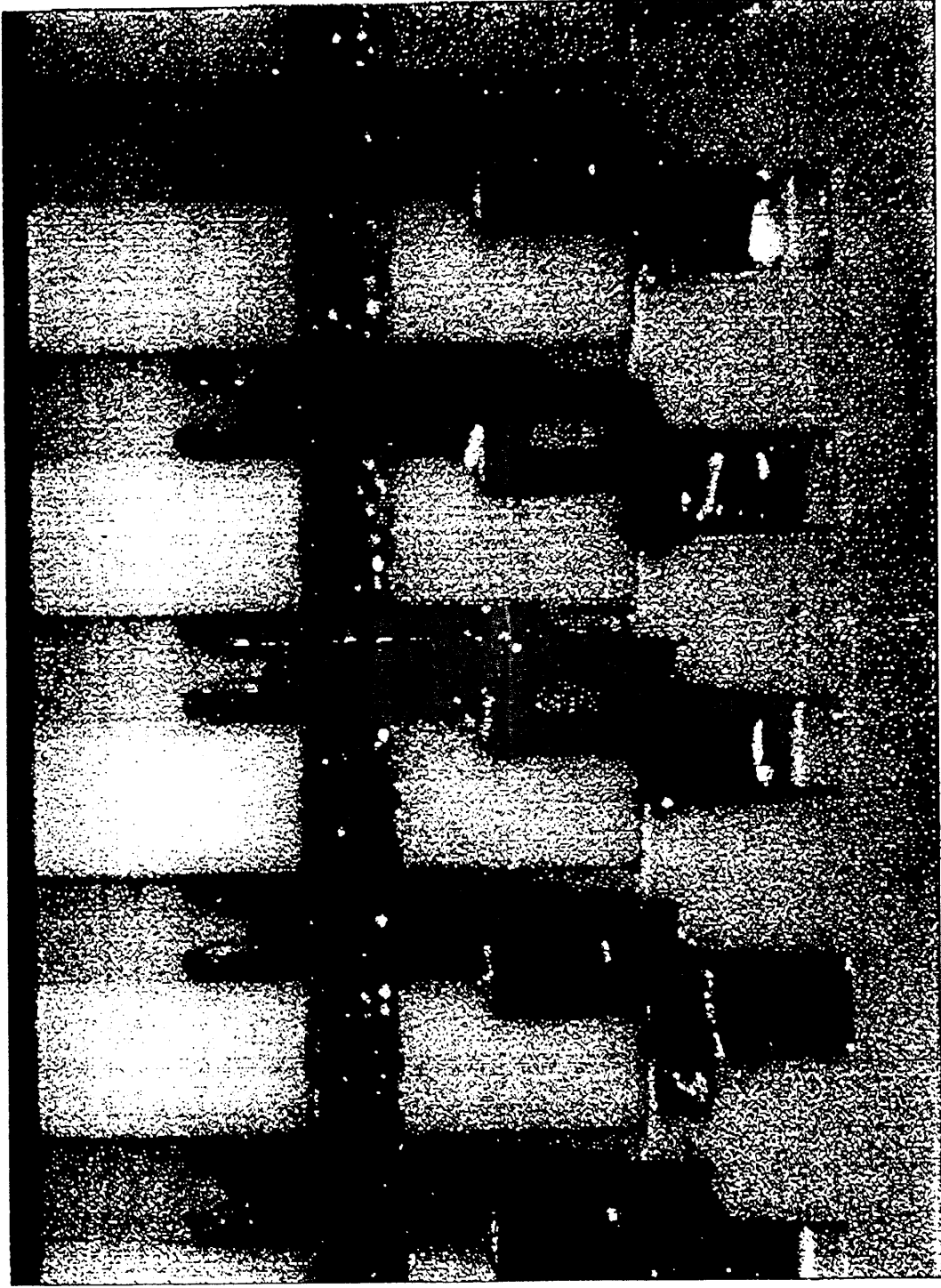
- o Hand press: FX-003
- o Positioning Tools for FNS12: FN-106  
FNS13: FN-105



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## Applicable Cable Dimensions (Reference Only)





Flachbandleitung AWG 30 Typ: TFC 30-96  
Elektr. Prüfung: 24V; 0,5A

29.05.98 1/2

Report No. Q80612-1

Pages: 04

Enclosures: 03

Date: June 12<sup>th</sup>, 1998

Client: Yamaichi Electronics Deutschland GmbH  
Karl-Schmid-Str. 9  
D-81829 München  
Germany

Device under test: 0.0333" (0.847mm) pitch flat cable with 30AWG, UL 2678  
for internal wiring and interface application  
conductors: 7/0.1 mm stranded Cu wire  
insulation: PVC, grey with a red edge for polarity, ribbed on  
both sides enabling IDC termination on either side of the cable  
supplier: Yamaichi Electronics Inc., San Francisco, USA  
Part No.: TFC30-96(0.847)

tested with 2.54mm pitch flat cable IDC type connector  
according to DIN41612 standards of compatibility  
supplier: Yamaichi Electronics Co. Ltd., Tokyo, Japan  
Part No.: FNS13-09600-00BS

Specifications: see enclosed data sheet

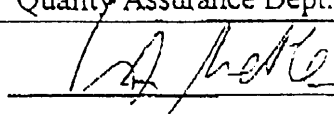
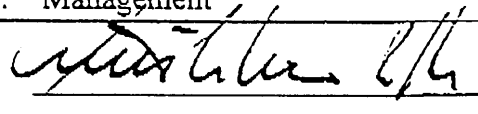
Usability/ease of use: visual examination of contact reliability  
tested: 2      failed: 0

Electrical test: test current: 0.5A      test voltage: 24V  
tested: 2      failed: 0

Result: The devices tested fulfil the requirements  
of the specification

Tested: Quality Assurance Dept.

Approved: Management

Signature: Signature: Date: June 12<sup>th</sup>, 1998Date: June 12<sup>th</sup>, 1998