

RaychemSPECIFICATION
CONTROL DRAWING

Product name

DK-37 16-Fx2 1-Cy

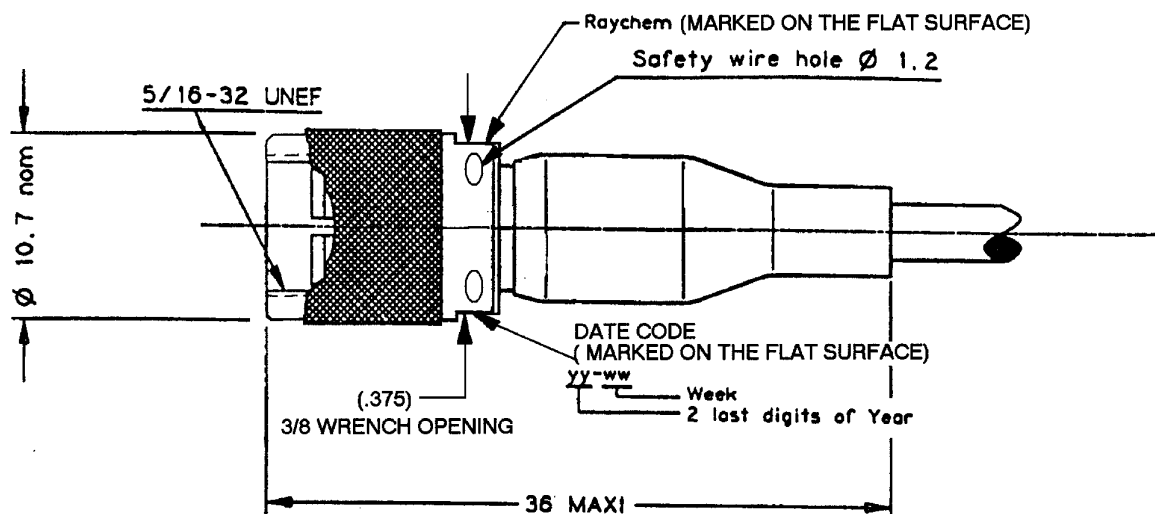
Date

2/22/2000

Revision

C

THREADED, COAXIAL CONNECTOR



PART NUMBERING SYSTEM

DK-37 16-Fx2 1-Cy

Serie

Connector type

F : Plug

Cable type

1 : Single braid

2 : Double braid / Superscreened

Contact type

P : Pin

S : Socket

Coaxial cable

Serial Number

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Dimensions are in millimeters

DRAWN G. PONS Engineering	APPROVED R. DE CONTI Product Manager	REVISED PER DCR# T-24274 1/31/2000 REVISED PER DCR# T-24311 2/22/2000
APPROVED G. BRUN Development	APPROVED B. DAUVILLIER Quality Assurance	PROJECT NUMBER CAD : T 24311 a.b.TIF

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1 MATERIALS AND FINISHES

1.1 Housing Body: Brass Alloy per QQ-B-626D
Tin Plated per MIL-T-10727
Over Nickel per MIL-C-26074

1.2 Coupling Nut: Brass Alloy per QQ-B-626D
Tin Plated per MIL-T-10727
Over Nickel per MIL-C-26074

1.3 Insulation (MIP): Polyethersulfone

1.4 Interfacial Seal: Silicone Rubber

2 WIRE ACCOMMODATIONS

2.1 The connector will terminate to a coaxial cable AWG 24.

2.2 Termination procedure : Raychem RPIP-703-00.

3 INTERMATEABILITY

3.1 This connector will mate with DK-3716-Exxx-yy.

4 CONTACTS

4.1 This connector will accommodate the following Raychem contacts :

Part No.	Description
D-602-0152	Coaxial, Pin
D-602-0153	Coaxial, Socket

5 PERFORMANCE CAPABILITIES

5.1 Designed to meet Raychem Performance Specification D-6025
No qualification testing is scheduled. The user shall satisfy himself that the product is suitable for use under the conditions pertaining to his application.

5.2 General Characteristics

- 5.2.1 Maximum Operating Temperature : 150°C.
- 5.2.2 Current Rating : 3 amps maximum.
- 5.2.3 Insulation Resistance : 5000 megohms minimum.
- 5.2.4 High Potential, Mated, Sea Level : 900 volts at 60 Hz.
- 5.2.5 Contact Resistance, Initial : 8 milliohms maximum.
- 5.2.6 Connector Mating Coupling Torque : 1.13 m.N maximum.
- 5.2.7 Insertion Force : 1.4 kg maximum.
- 5.2.8 Withdrawal Force : 30 g maximum.
- 5.2.9 Contact Retention Terminated : 9 kg minimum.
- 5.2.10 Durability : 500 cycles.
- 5.2.11 Corrosion Resistance : 500 hours.
- 5.2.12 Weight : 12 g Max.