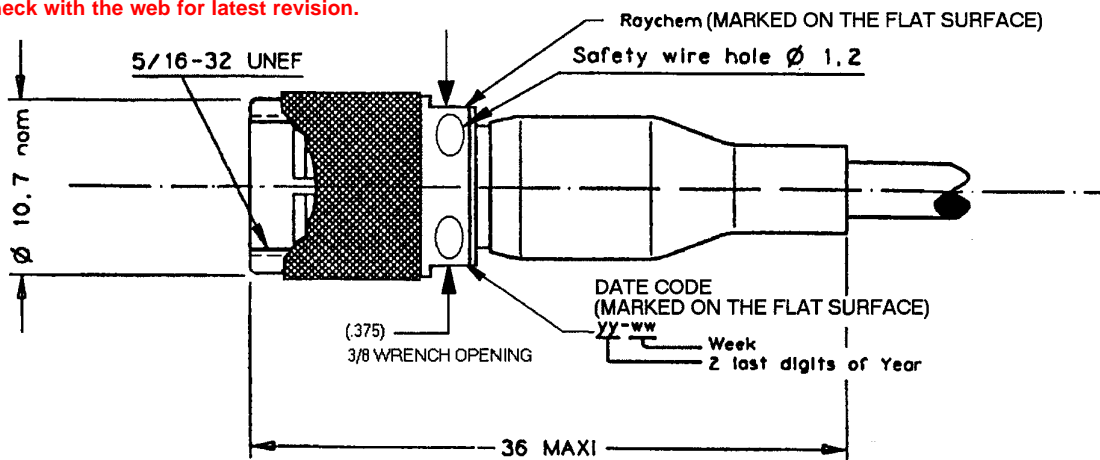


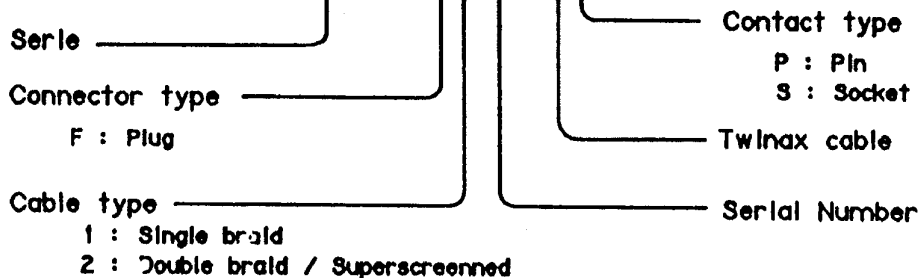
**THREADED, TRIAXIAL CONNECTOR  
TO  
AECMA EN 3716-004 SPECIFICATION**

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**PART NUMBERING SYSTEM**

**DK-3716-Fx01-Ty**



RAYCHEM Part Numbering	AECMA Part Numbering
DK-3716-F101-TP	EN 3716-004-M-1
DK-3716-F201-TP	EN 3716-004-M-2
DK-3716-F101-TS	EN 3716-004-F-1
DK-3716-F201-TS	EN 3716-004-F-2

DK-3716-F101 Preferred part numbers for all applications

DK-3716-F201 Part numbers that previously designated double shield cables

(Use F101 for new applications)

Dimensions are in millimeters

DRAWN Engineering Ph. ROUCAUTE <i>Ph</i>	APPROVED Product Manager R. DE CONTI <i>R. De Conti</i>	REPLACES REVISED PER DCR# T-24273 REVISED PER DCR# T-24310
APPROVED Development Ph. GUILLON <i>Ph</i>	APPROVED Quality Assurance B. DAUVILLIERS <i>B. Dauvilliers</i>	PROJECT NUMBER CAD : T 24310 a.b.Tif

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**1 MATERIALS AND FINISHES**

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- 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 shielded twisted pair AWG 26 to AWG 22.
- 2.2 Termination procedure : Raychem RPIP-695-00.

**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-602-0126	Twinox, Pin
D-602-0127	Twinox, Socket

**5 PERFORMANCE CAPABILITIES**

- 5.1 Design to meet Raychem Performance Specification D-6025 and AECMA EN 3716-004.
- 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.