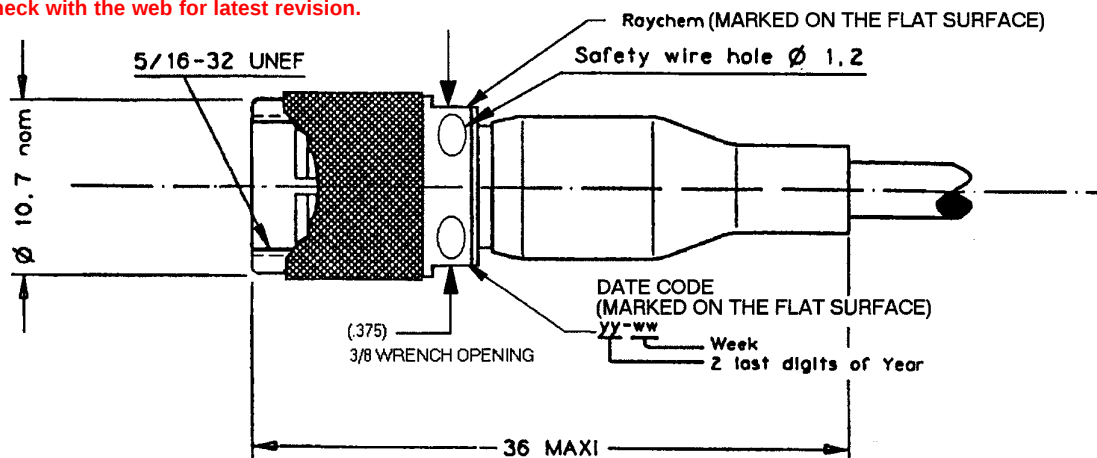


THREADED, TRIAXIAL CONNECTOR TO AECMA EN 3716-004 SPECIFICATION

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PART NUMBERING SYSTEM

DK-3716-Fx01-Ty

Serie _____
 Connector type _____
 F : Plug
 Cable type _____
 1 : Single braid
 2 : Double braid / Superscreened
 Contact type
 P : Pin
 S : Socket
 Twlnax cable
 Serial Number

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 Ph.ROUCAUTE Engineering <i>RL</i>	APPROVED R.DE CONTI Product Manager <i>R. Conti</i>	REPLACES REVISED PER DCR# T-24273 REVISED PER DCR# T-24310
APPROVED Ph.GUILLON Development <i>Guillon</i>	APPROVED B.DAUVILLIERS Quality Assurance <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	Twlnax, Pin
D-602-0127	Twlnax, 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.