Amphenol SOCAPEX

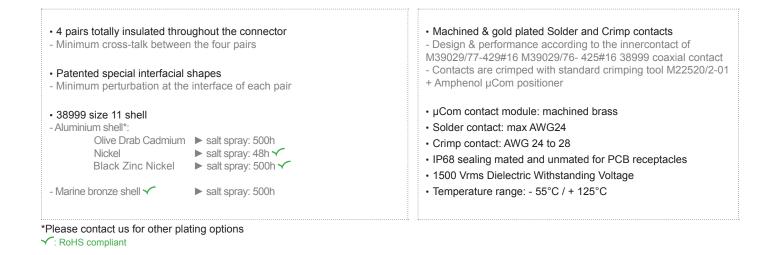
TV µCom-10Gb+ 38999 10Gb Ethernet Connector

Description

 μ Com-Series is a new range of connectors designed to address the latest trends of the military industry: miniaturization and high speed, with the highest resistance for use in the harshest environments. TV μ Com combines μ Com-10G+ speed with 38999 Series III size 11 shells robustness.

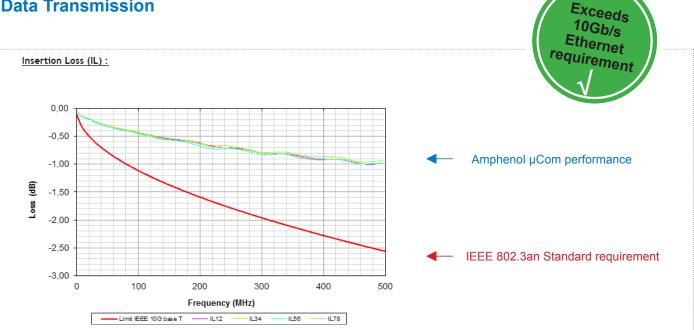
Main Features

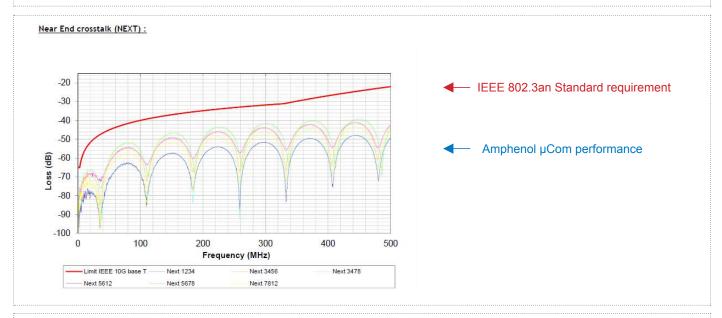
- Based on MIL-DTL-38999 series III Shell size 11
- 10Gb+: exceeds 10Gb/s Ethernet following IEEE 802.3an-2006 : 10GBase-T
- Cat.6A connector according to TIA568C.2 and ISO/IEC11801 standard
- Environmental testing based on MIL-DTL-38999 series III military specifications





Data Transmission



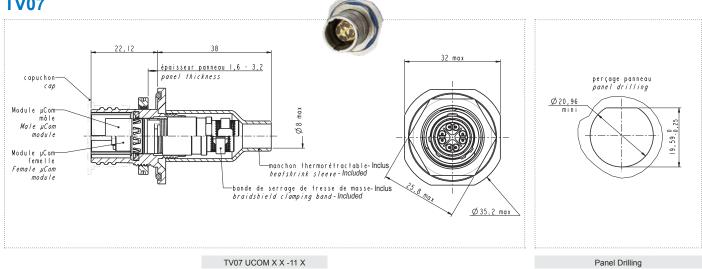


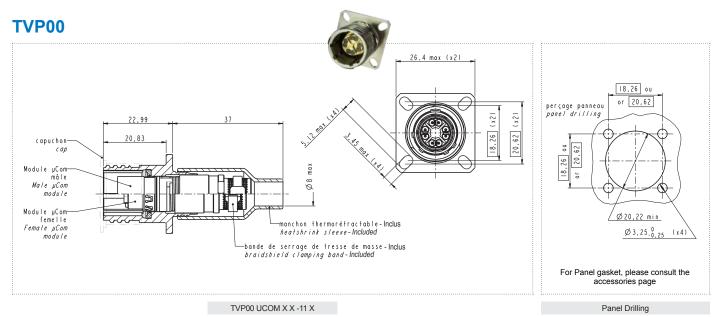


Due to technical modifications, all information provided is subject to change without prior notice Designed by Amphenol Socapex

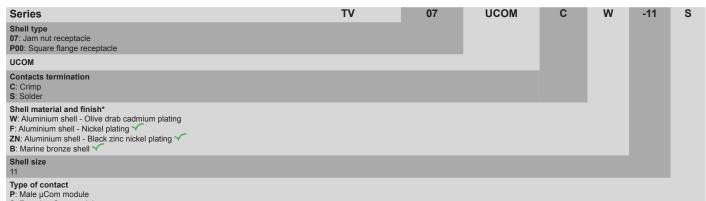
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Standard Receptacles





How to order standard receptacles

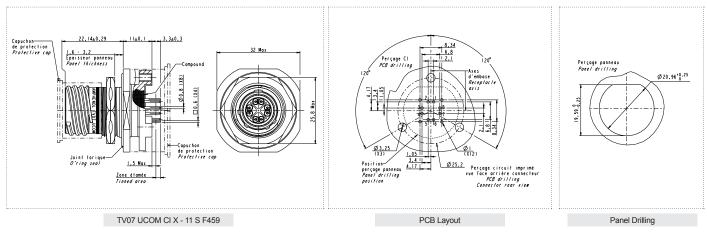


S: Female µCom module

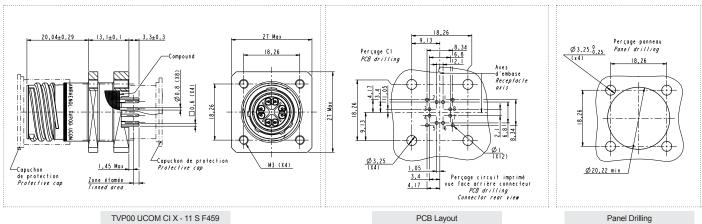
Examples: TV 07 UCOM C W -11 S; TV P00 UCOM S W -11 S \checkmark : RoHS compliant * Please contact us for other plating options

Stand off Receptacles

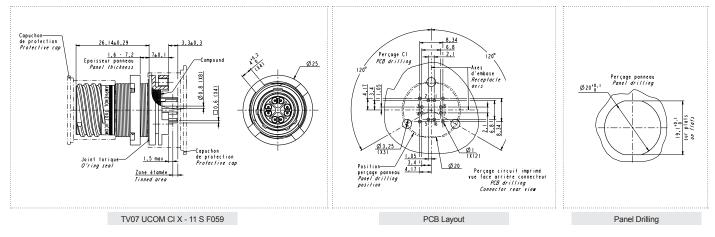
TV07 F459



TVP00 F459



Stand off Reduced Flange Receptacle TV07 F059



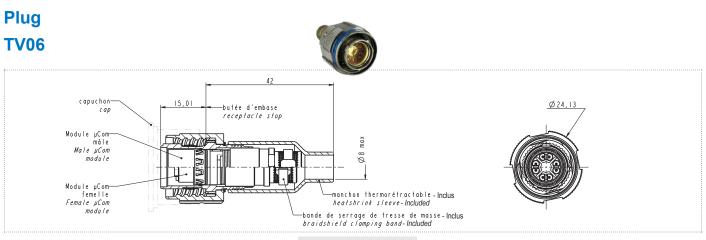
How to order stand off receptacles

Series	TV	07	UCOM	CI	W	-11	S	F459
Shell type 07: Jam nut receptacle P00: Square flange receptacle								
UCOM								
Contacts termination CI: PCB Tail								
Shell material and finish* W: Aluminium shell - Olive drab cadmium plating F: Aluminium shell - Nickel plating ✓ ZN: Aluminium shell - Black zinc nickel plating ✓ B: Marine bronze shell ✓								
Shell size 11								
Type of contact S: Female μCom module								
Deviation F459: Stand off F059: Stand off Reduced Flange for Jam Nut receptacle only								

Example: TV07UCOMCIF-11SF459

✓: RoHS compliant

* Please contact us for other plating options



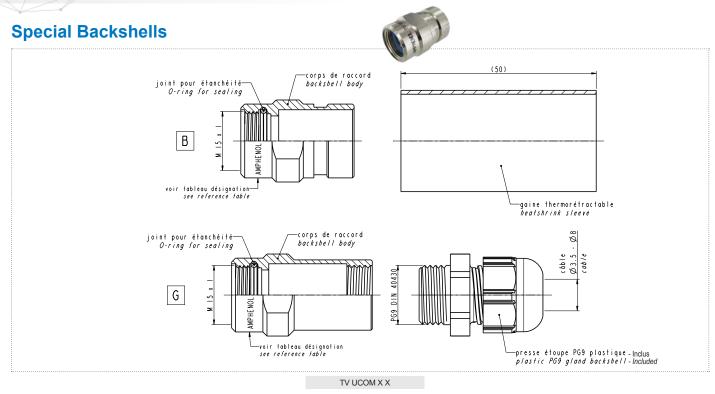
TV06 UCOM X X -11 X

How to order plugs

Series	TV	06	UCOM	С	W	-11	Р
Shell type 06: Plug							
UCOM							
Contacts termination C: Crimp S: Solder							
Shell material and finish* W: Aluminium shell - Olive drab cadmium plating F: Aluminium shell - Nickel plating ✓ ZN: Aluminium shell - Black zinc nickel plating ✓ B: Marine bronze shell ✓							
Shell size 11							
Type of contact P: Male μCom module S: Female μCom module							
Examples: TV 06 UCOM C F -11 P: TV 06 UCOM S ZN -11 P							

Examples: TV 06 UCOM C F -11 P; TV 06 UCOM S ZN -11 P * Please contact us for other plating options

✓: RoHS compliant



How to order - Special Backshells

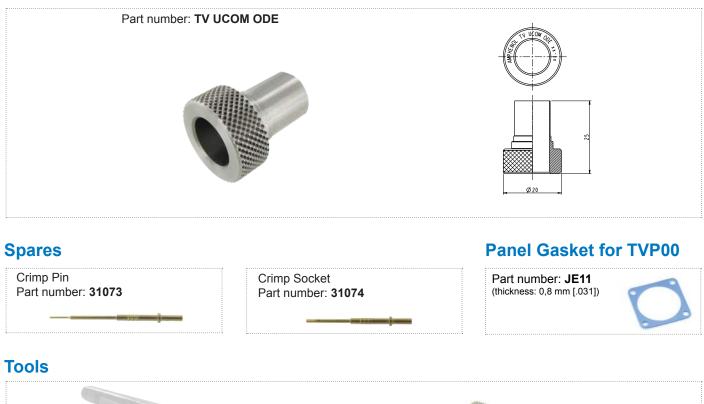
Series	TV UCOM	W	В
Shell material and finish* W: Aluminium shell - Olive drab cadmium plating F: Aluminium shell - Nickel plating AN: Aluminium shell - Black zinc nickel plating B: Marine bronze shell			
Backshell type B: Backshell for heatshrink sleeve G: Backshell for PG gland			

C: RoHS compliant

* Please contact us for other plating options

Accessories

Removal tool





Nota: the cabling instructions are available upon demand (ref. N00-040190-00).

Watch our videos

Assembly Solder Version



Assembly Crimp Version



TV µCom-10Gb+ - STANDARD METALLIC CAPS

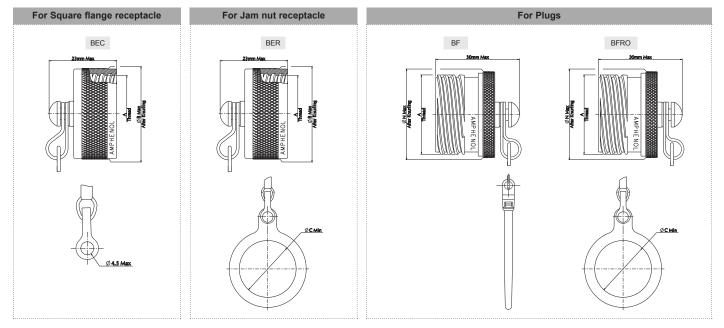
Description

The largest range of protective caps with IP68 protection level.

Main features

- Compatible with Plugs, Jam nut (Standard and Reduced Flange) and Square Flange receptacles
 IP 68 (permanent sealing)
 Protection again dust, water and moisture
 EMI function
 Nylon cord, stainless steel rope or metallic chain

Overall dimensions



Lanyard (Attachment) Length

Cap type	Metallic chain length	Nylon cord length	Stainless steel rope length
BEC/BER for receptacle		127 (+13,-7)	
BF for plug		160±5	

Size	A thread 0.1P-0.3L-TS Class 2A (External) Class 2B (Internal) (Inch)	ØB Max (After Knurling)		ØC Min	ØN	Max
11	.7500	22,60		21,97	20	,50
For Jam	nut Reduced Flange receptacle	Size	A Thread	ØB+0,5 0	ØC +0,2 0	ØD +0,2 0
Harking area	BER X TV XX XX F057	11	0.750-2B-0.1P-0.3L	-TS 22,60	25,5	20,5



F

TV µCom-10Gb+ - METALLIC SELF-CLOSING CAPS

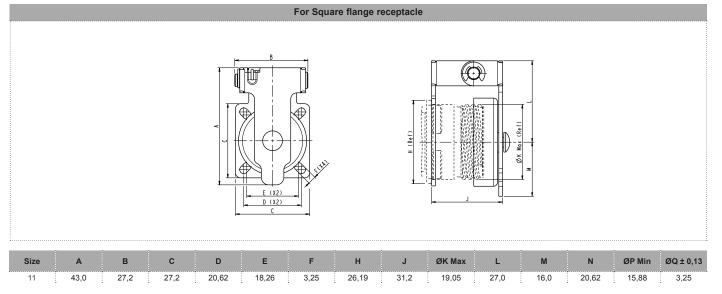
Description

High end protection with metallic self-closing function.

Main features

- Compatible with Square flange receptacles
- Material: Aluminum
- Platings: Olive drab cadmium, Black zinc nickel, Electroless nickel and Black electrophoresis
- IP67 (1m, 1 hour sealing)
- Protection against dust, water and moisture
 EMI function
- Fast self-closing function
- Space and weight saving: no need for Dummy receptacle
- No noise from pending cap

Overall dimensions



R. V. V. V.

TV µCom-10Gb+ - SILICONE CAPS

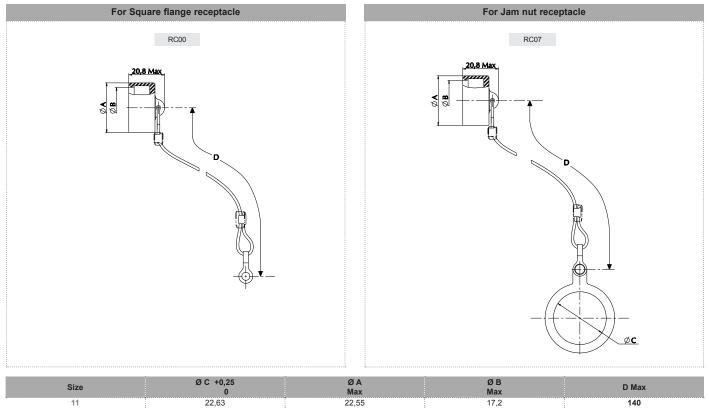
Description

Silicone protective caps against dust and water.

Main features

- Compatible with Jam nut and Square flange receptacles
 IP67 (1m, 1 hour sealing)
 Protection against dust and water
 Silicone 200°C
 Nylon cord
 No noise (rubber material)

Overall dimensions





HOW TO ORDER - CAPS

Protective Caps - Standard Metallic Caps

Standard Metallic Caps	В	EC	Ν	TV	W	11	
Protection cap type EC: For square flange receptacle ER: For jam nut receptacle F: For plug							
Wire type Blank for metallic chain N: Nylon cord R: Jacketed stainless steel rope RO: Jacketed stainless steel rope with wa	asher end (only for plu	ıg)					
Connector type							
Material and finish W: Olive drab cadmium plated on aluminu ZN: Black zinc nickel plated on aluminum F: Electroless nickel plated on aluminum B: Marine bronze ($200^{\circ}C$) \checkmark Z: Green zinc cobalt plated on aluminum	(175°C) (200°C)						
Corresponding connector shell size							
Deviation F057 for jam nut Reduced Flange recept Blank for others	acle only						

Protective Caps - Metallic Self-Closing Caps/Square Flange Receptacles only

Metallic Self-Closing Caps	TV	-	SCC	11	F
Protection cap type Blank for square flange receptacle					
SCC Self-closing type					
Shell size 11					
Material and finish W : Olive drab cadmium on aluminum (175°C) ZN : Black zinc nickel on aluminum (175°C) F : Electroless nickel on aluminum (200°C) B : Black electrophoresis on aluminum (125°C)					

Protective Caps - Silicone Caps/Receptacles only

Rubber Caps	RC	00	Ν	τν	11
Protection cap type 00: For square flange receptacle 07: For jam nut receptacle					
Wire type N: Nylon cord					
Connector type					
Shell size					

✓: RoHS compliant

Amphenol Military Interconnections

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Amphenol Socapex 948, promenade de l'Arve BP29 74311 Thyez Cedex - France Phone: +33 (0)4 50 89 28 00 contact@amphenol-socapex.fr

Amphenol PCD (<u>Contact in North America</u>) 72 Cherry Hill Drive Beverly, MA 01915 978-624-34000 www.amphenolpcd.com

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