



F-COUPLER TRI6 PE6

Art.nr. 200-005



Short Description

Compact F-type coupling adapter for connecting TRI6 and PE6 coaxial cables. Ensures a reliable, signal-stable connection with minimal signal loss. Suitable for professional RF and antenna applications.

PROPERTIES

- **Connector type:** F-81 HQ (Type F)
- **Frequency range:** 0.3 - 3000 MHz
- **Nominal impedance:** 75 Ohm
- **Screening attenuation:** Class A++ (>140 dB up to 3 GHz)
- **Transfer impedance:** Class A++ (CoMeT)
- **Current rating:** up to 6.6 A
- **Waterproof rating:** IPX8 (30 m / 8 hours)
- **Designed according:** to IEC 61169-24

MECHANICAL SPECIFICATIONS

- **Accepts pin diameter:** 0.4 - 1.2 mm
- **Body material:** Brass (CuZn39Pb3)
- **Inner conductor:** Beryllium copper
- **Plating:** Nitin-6
- **Insulator:** PE
- **Operating temperature:** -40 °C to +70 °C
- **Installation temperature:** -5 °C to +50 °C



Connecting with quality!

Spécifications

Frequency Range	0.3 - 3000 MHz						
Impedance (Nom.)	75 Ohm						
Amp. Rating ^(calculated)	4,7 A @10°C increase						
	6,6 A @20°C increase						
Transfer Impedance (CoMeT)	Class A++						
	<0,9 mΩ/m @ 5-30MHz						
	<0,02 mΩ/item @ 5-30MHz						
Screening Attenuation(CoMeT)	Class A++						
	>140 dB @ 30-1000MHz						
	>140 dB @ 1000-2000MHz						
	>140 dB @ 2000-3000MHz						
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical		
	0.3 - 500 MHz	-43 dB		-46,0 dB	0.3 - 500 MHz	-0,06 dB	-0,01 dB
	500 - 860 MHz	-41 dB		-44,2 dB	500 - 860 MHz	-0,06 dB	-0,01 dB
	860 - 1000 MHz	-39 dB		-42,1 dB	860 - 1000 MHz	-0,07 dB	-0,02 dB
	1000 - 1750 MHz	-37 dB		-39,9 dB	1000 - 1750 MHz	-0,07 dB	-0,02 dB
	1750 - 2150 MHz	-34 dB		-36,6 dB	1750 - 2150 MHz	-0,08 dB	-0,03 dB
	2150 - 3000 MHz	-26 dB		-28,5 dB	2150 - 3000 MHz	-0,09 dB	-0,04 dB
Temperature			Intermodulation 3rd Order (@2x1W)	IM3			
	Installing	-5° to +50° C		-155 dBc	110 dBm		
	Operating	-40° to +70° C					
Storing	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<5 mΩ			
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours		Insulation Resistance (@ 500 VDC)	>200 GΩ			
O-rings			Dielectric Strength DC Test Voltage	>6 KV			
Base Material			Max. Tensile Strength Overall	NA Kgf			
	Body Parts	Brass CuZn39Pb3		NA N			
	Inner Conductor	Beryllium copper					
Plating			Torsional Strength (Connector / Cable)	* NATM			
	Body Parts	Nitin-6					
	Inner Conductor	Nitin-6					
Insulators	- / PE		Test performed by Date of release	Søren Baldus-Kunze			
				December 14, 2018			
Remarks	Connector designed according to the standard IEC 61169-24 (type F) All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.						