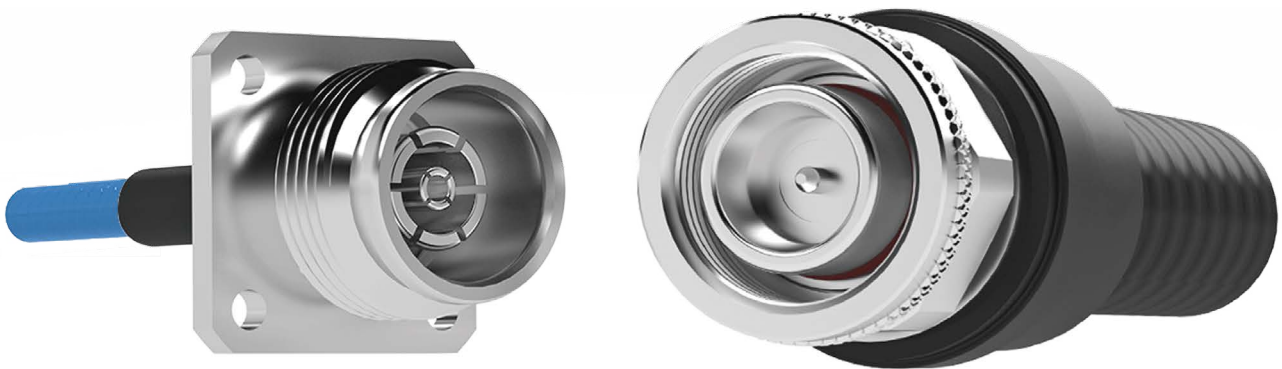
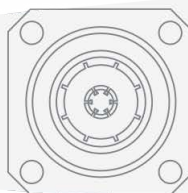


COMPACT LOW PIM RF Connector for Mobile Telecommunication



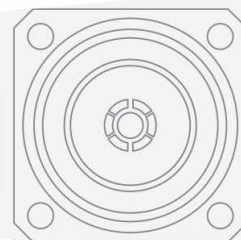
2.2-5

-53 %
smaller
than 4.3-10



4.3-10

-37 %
smaller
than 7-16



7-16

GigaLane 2.2-5 Connectors



The **2.2-5 connector** system is designed for application in system such as RRU to antenna.

Very good PIM values independent of coupling torque. Three different coupling mechanisms of the plug connectors are screw, hand screw and push pull types.
(* 2.2-5 was submitted in 2017 to DKE (the German standards organization for electrical engineering, electronics and IT) to get it standardized by the IEC.)

Electrical Specifications

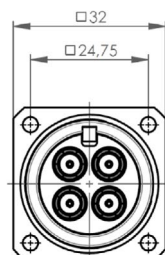
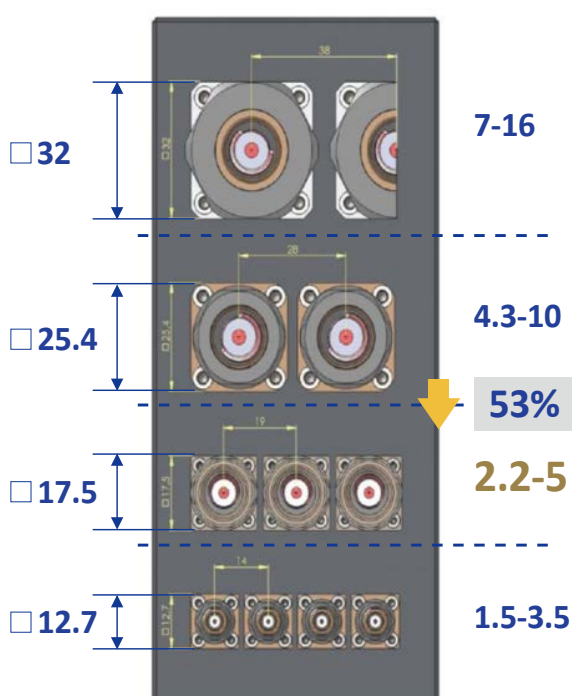
Frequency		DC ~ 20 GHz
Impedance		50 Ω
Return Loss (interface only)		36dB @6GHz (*special version @20GHz)
Shielding attenuation	Screw	≥100dB @6GHz
	Hand-screw, Push pull	≥90dB @3GHz, ≥70dB @6GHz
PIMD		≤-166dBc @2x43 dBm

Mechanical Specifications

Mating life	>100
Recommended Torque / screw type	3 Nm
Temperature Range	-40°C / +85°C
Protection class(plugged)	IP68

Special Feature

- Space and weight savings due to compact design
 - 53% smaller than 4.3-10 series
- Excellent PIM value
- Optimized for 1/4", 3/8", 1/2" corrugated cables and UT85, UT141, UT250 semi-flex cables
 - low losses and long distances
- Screw, Hand Screw and Push-Pull options with same jack
- High protection
 - Outdoor Cable (IP68)



* 1.5-3.5 multi-coax

Application

- Small cell
- DAS (Distributed Antenna System)
- MIMO (Multi band Antenna)