

Mixed Sub-D feedthroughs with floating coaxial pins pins: Up to 5 coax connections with one connector

The Sub-D System offers in addition to standard contacts as well coaxial inserts. Three different versions are available at Allectra:

2x Coax, 3x Standard **210-X15-2C3-C40**
 3x Coax **210-X15-3C-C40**
 5x Coax **210-X25-5C-C63**

The coaxial pins are all Floating Shield versions.

As usual, we can offer these feedthroughs in all kind of combinations and on any kind of flanges.

As an alternative to other coaxial connectors, the mixed Sub-D floating shield coaxial versions can be used. They are ideal for signals, where 50 Ohm impedance is not required.

| Specifications | |
|--------------------------------------|--|
| Vacuum | UHV (10^{-10} mbar and below) |
| Test Voltage | 500V DC |
| Max. current | 3A |
| Temperature | -200°C ... + 230°C |
| Resistivity | Min. 2 GOhm pin to shield, typ. >50 GOhm Min. 2 GOhm shield to ground |
| Accessories | |
| Vacuum side connectors | 211-FX15-2X5-PK (2x coax, 3x Std) 211-FX15-3X-PK (3x coax) 211-FX25-5X-PK (5x coax) For 210-X15-2C3 a HV version is available |
| Crimp pins (centre contact soldered) | 212-COAX-F (female, fitting to feedthrough) 212-COAX-M (male, for internal connections) |
| Recommended cables | 311-KAP-50 301-KAP-50 (radiation resistant) |

Additional notes

The 5-pin coaxial feedthrough is not symmetric, so the air side connector will not fit on the vacuum side. BUT it is possible to turn the connector 180°, so it will fit. but pin numbering changes!

Similar feedthroughs with Power Pins (20A) are available as well. See separate Data sheet!



210-X25-5C-C63, 5 off floating Coaxial feedthroughs on a DN63CF Flange



Vacuum side connector housing. This connectors can also be used for power pins.



2x 5 coaxial pins, mounted on an ISO-K 63 flange