

PUSH & CRIMP

Easy installation, strong performance, no compromise.



N-Series

The N series is a very popular and widely used medium sized coaxial connector. In the Push & Crimp series these N connectors can be used up to a frequency of 6 GHz. The characteristic impedance is 50Ω. The N Push & Crimp series was developed for Low Loss 195, Low Loss 240 and Low Loss 400 cables with solid inner conductors. The cables can be assembled directly in the field by simply pushing in the cable's inner conductor and crimping the outer conductor. Very good return loss (VSWR) are achieved thanks to their practical design. The vibration-resistant N series connectors provide a medium power RF solution for signal and data transmission. Mating face sealing between plug and jack, in mated condition, is in accordance with IP 67 (IEC 60529). Cut to length shrink sleeves are included with the connectors as strain reliefs and to protect the cable connection from moisture and dust.

Mechanical Characteristics

| | |
|-----------------------------|--------------|
| Durability (Matings) | ≥ 500 |
| Material: Inner conductor | Copper alloy |
| Material: Crimp ferrule | Cu |
| Material: Other metal parts | Brass |
| Material: Insulators | PTFE |
| Material: Gaskets | Silicone |
| Material: Shrink sleeve | Polyolefine |
| Finish: Inner conductor | NiP-Au |
| Finish: Outer conductor | CuSnZn3 |
| Finish: Other metal parts | CuSnZn3 |

Climatic Characteristics

| | |
|--|-----------|
| Climatic category acc. to IEC 60068 Part 1 | 55/155/21 |
|--|-----------|

Electrical Characteristics

| | |
|------------------------------------|--|
| Contact resistance inner conductor | ≤ 1.5 mΩ |
| Contact resistance outer conductor | ≤ 1 mΩ |
| Insulation resistance | ≥ 5 GΩ |
| Voltage proof | 1.2 kV _{eff} /50 Hz |
| Impedance | 50 Ω |
| Return loss | typ.: -35 dB @ 2 GHz; -32 dB @ 4 GHz; -26 dB @ 6 GHz |
| Frequency range | 0-6 GHz |



Order no.: 100120692 | Low Loss 195



Order no.: 100120698 | Low Loss 240



Order no.: 100120705 | Low Loss 400

- 2-piece connector design
- very good return Loss performance
- easy cable assembly in the field
- no soldering necessary
- simple to use cable preparation tool available
- quick, easy and reliable installation
- IP67 weather proof with included heat shrink tube

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SMA-Series

The SMA series connectors are very commonly used coaxial connectors with threaded coupling. These connectors, in the Push & Crimp series, can be used up to a frequency of 6 GHz. The characteristic impedance is 50Ω. The SMA Push & Crimp series is designed for Low Loss 195 and Low Loss 240 cables with a solid inner conductor. Cables are assembled directly in the field by simply pushing in the cable's inner conductor and crimping the outer conductor. SMA connectors are used in mobile radio, satellite and measurement technology, among other applications. Mating face sealing between plug and jack, in mated condition, is in accordance with IP 67 (IEC 60529). Cut to length shrink sleeves are included with the connectors as strain reliefs and to protect the cable connection from moisture and dust.

Mechanical Characteristics

| | |
|-----------------------------|--------------|
| Durability (Matings) | ≥ 500 |
| Material: Inner conductor | Copper alloy |
| Material: Crimp ferrule | Cu |
| Material: Other metal parts | Brass |
| Material: Insulators | PTFE |
| Material: Gaskets | Silicone |
| Material: Shrink sleeve | Polyolefine |
| Finish: Inner conductor | NiP-Au |
| Finish: Outer conductor | CuSnZn |
| Finish: Other metal parts | CuSnZn |

Climatic Characteristics

| | |
|--|-----------|
| Climatic category acc. to IEC 60068 Part 1 | 55/155/56 |
|--|-----------|

Electrical Characteristics

| | |
|------------------------------------|--|
| Contact resistance inner conductor | ≤ 3 mΩ |
| Contact resistance outer conductor | ≤ 2 mΩ |
| Insulation resistance | ≥ 5 GΩ |
| Voltage proof | 1 kV _{eff} /50 Hz |
| Impedance | 50 Ω |
| Return loss | typ.: -35 dB @ 2 GHz; -32 dB @ 4 GHz; -26 dB @ 6 GHz |
| Operating voltage | ≤ 335 V/50 Hz |
| Frequency range | 0-6 GHz |



Order no.: 100123495 | Low Loss 195



Order no.: 100123501 | Low Loss 240

- 2-piece connector design
- very good return Loss performance
- easy cable assembly in the field
- no soldering necessary
- simple to use cable preparation tool available
- quick, easy and reliable installation
- IP67 weather proof with included heat shrink tube