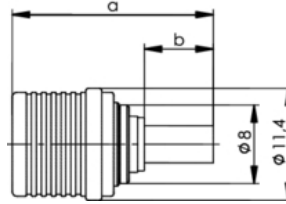


# QLS Straight Plug Crimp

order number: J01420A0065



QLS Straight Plug Crimp G1 (RG-58C/U); Telealloy, solder/crimp

## Technical Attributes

|                    |  |
|--------------------|--|
| Cable group; cable | G1 (RG-58C/U)<br>RG-58C/U<br>7806A<br>9907<br>CNT-195<br>HPF 195<br>KX 15<br>LMR-195<br>WCX195 |
| Remarks            | solder/crimp   |
| Finish             | Telealloy (white bronze)   |
| Dimensions         | a=27.9; B=13   |
| Assembly           | C4205  |
| Crimp die          | <b><u>N01003A0005</u></b>  |

## Product description

The QLS® series (Quick Lock Standard) is a secure and reliable alternative to standard SMA connectors. The patented locking mechanism of the QLS® series gives it the distinct advantage of a time-saving connection without the need for tooling. This locking mechanism also guarantees an extremely high butt contact force on the outer conductor, which is normally only achieved with a threaded coupling mechanism. This high contact force results in excellent coupling reliability, even under mechanical stress such as vibration or due to the attached cable being pulled. The QLS® connectors are 100% compatible with QMA connectors.

### Mechanical Characteristics

|                            |                                      |
|----------------------------|--------------------------------------|
| Durability (mating cycles) | ≥ 200                                |
| Insertion force            | 30 N typ.                            |
| Disengagement              | 20 N typ.                            |
| Material: outer conductor  | CuZn39Pb3                            |
| Material: inner conductor  | CuZn39Pb3                            |
| Material: spring contacts  | CuBe2                                |
| Material: gaskets          | silicone                             |
| Material: insulators       | PTFE PTFE                            |
| Material: crimp ferrule    | Cu/CuZn39Pb3                         |
| Finish: Inner conductor    | Cu1Ni2Au0.8                          |
| Finish: Outer conductor    | NiP-Au / CuSnZn3 (Telealloy)         |
| Finish: Other metal parts  | CuSnZn3 (Telealloy), stainless steel |

### Climatic Characteristics

|   |          |
|---|----------|
| Climatic category acc. to IEC 60068 - 1 | 40/85/21 |
|---|----------|

### Electrical Characteristics

|                                    |                  |
|------------------------------------|------------------|
| Contact resistance inner conductor | ≤ 3 mΩ           |
| Contact resistance outer conductor | ≤ 2.5 mΩ         |
| Insulation resistance              | ≥ 5 GΩ           |
| Voltage proof                      | 1 kVeff/50 Hz    |
| Impedance                          | 50 Ω             |
| Working voltage                    | ≤ 500 Veff/50 Hz |
| Frequency range up to              | 6 GHz (18 GHz)   |

## Note

QLS® is a registered trademark of the partners of the QLS® alliance.