Connectors for LSC/RMC 5/8" radiating cables

FEATURES

- **High contact force and inner contacts made in a high-strength copper alloy**
- **Silver plated**
- **Watertight (IP67/IP68)**
- **Corrosion resistant**
- **Quick trimming tool**
- **Installation "fit on and tighten it"**

NF50R58

The connectors are designed according the standard interfaces as N. Contact components are silver plated to minimize insertion loss; mechanical parts are nickel plated for heavy-duty handling and best corrosion resistance. The special quick trimming tool make installation very easy and cost effective in time.

SPECIFICATIONS

Connector type	N-female
Electrical specifications	
• Nominal impedance [Ω]	50
• Reflection coefficient @ 3 GHz [dB]	≥ 35
• Insulation resistance [GΩ]	≥ 5
• Test voltage (at sea level) [kV rms, 50Hz]	2.5
• Working voltage (at sea level) [kV rms,50Hz]	1
• Contact resistance (outer contact) [mΩ]	≤ 2
• Contact resistance (inner contact) [mΩ]	≤ 2
Mechanical specifications	
• Torque of coupling mechanism [Nm]	8
• Tensile strength of coupling mechanism [N]	400
• Cable retention [N]	> 500
• Mechanical endurance (Nr of couplings)	≥ 500
• Length [mm]	63
• Weight [g]	190
Environmental specifications	
• Temperature range	40 °C to +85 °C (-40 °F to +185 °F)
• Degree of protection	IP67/IP68 (mated connectors)
Materials	
• Externals parts	Passivated silver plated or electroless nickel plated brass
• Outer contact	Passivated silver plated brass
• Inner contact	Passivated silver plated high-strength copper alloy and brass
• Dielectric	PTFE and (or) TPX
• Gaskets	High quality silicone & nitrile
Tool codes	
• 5/8"	SPTC50R58
Connectors codes	
• 5/8"	NF50R58

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