

## TECHNICAL DATA

ELECTRICAL DATA	REQUIREMENTS
Impedance	50 $\Omega$
Frequency range	DC ... 11 GHz
RF-leakage (between 2 ÷ 3 GHz)	$\geq 60$ dB
Dielectric withstanding voltage (at sea level)	1.5 kV rms, 50 Hz (depending on cable)
Working voltage (at sea level) - unmated	$\leq 500$ V rms, 50 Hz (depending on cable)
Insulation resistance	$\geq 5 \cdot 10^3$ M $\Omega$
Contact resistance - centre contact - outer contact	$\leq 1.5$ m $\Omega$ $\leq 1$ m $\Omega$

MECHANICAL DATA	REQUIREMENTS
Coupling nut torque - recommended - proof torque	46 Ncm ... 69 Ncm / 4.1 in.-lbs ... 6.1 in.-lbs 170 Ncm / 15.0 in.-lbs
Coupling nut retention force	$\geq 450$ N / 101.2 lbs
Contact captivation	$\geq 27$ N / 6.1 lbs
Cable retention force <sup>1)</sup>	<a href="#">CLICK HERE</a>
Durability (matings)	$\geq 500$

1) value considers maximum load of the cables without irreversible variations of specifications.

ENVIRONMENTAL DATA	TEST CONDITIONS
Temperature range	- 65°C ... + 165°C / - 85°F ... + 329°F
Climatic category	IEC $\rightarrow$ 55/155/21
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	Saltspray test acc. to MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G

## MATERIAL DATA

CONNECTOR PART	STANDARDS	MATERIAL	PLATING
Bodies Pin contact	QQ-B-626	brass	SUCOPLATE® gold / SUCOPRO
Socket contact	QQ-C-530	beryllium-copper, hardened copper alloy	gold / SUCOPRO
Crimp ferrules	SUHNER® specification QQ-B-626	copper brass	SUCOPLATE®
Insulators, standard version		PTFE or PFA	
Gaskets		silicone rubber	

Some connectors may have a specification that differs from the above mentioned data.

**The products are designed and guaranteed to pass the above mentioned test procedures. Any additional or different requirement arising from specific applications or environmental conditions which is not covered by these test procedures is subject to request.**