

TECHNICAL DATA

ELECTRICAL DATA	CECC 22000	REQUIREMENTS
Impedance		50 Ω
Frequency range		DC ... 6 GHz
RF-leakage (measured at 1 GHz) - connectors for flexible cables - connectors for semi-rigid cables	4.4.8	≥ 60 dB ≥ 70 dB
Dielectric withstanding voltage at sea level	4.4.5	≥ 750 V rms, 50 Hz (depending on cable)
Working voltage at sea level - unmated		≥ 170 V rms, 50 Hz (depending on cable)
Working voltage at 21 000 m / 70 000 ft. - unmated		≥ 42 V rms, 50 Hz (depending on cable)
Insulation resistance	4.4.4	$\geq 10^4$ M Ω
Contact resistance - centre contact - outer contact	4.4.2 4.4.3	≤ 5 m Ω ≤ 1 m Ω

MECHANICAL DATA	CECC 22000	REQUIREMENTS
Engagement force	4.5.1	≤ 25 N / 5.6 lbs
Disengagement force	4.5.1	8 N ... 20 N / 1.8 lbs ... 4.5 lbs
Contact captivation	4.5.2	≥ 10 N / 2.3 lbs
Cable retention force ¹⁾		CLICK HERE
Durability (matings)	4.7.1	≥ 500

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

ENVIRONMENTAL DATA	CECC 22000	EQUIVALENT TEST CONDITIONS
Temperature range		- 55° C ... + 155° C / - 67° F ... + 311° F
Climatic category		IEC \rightarrow 55 / 155 / 21
High temperature endurance test	4.7.2	MIL-STD-202, Method 108A, Condition D
Thermal shock	4.6.7	MIL-STD-202, Method 107, Condition F
Moisture resistance	4.6.6	MIL-STD-202, Method 106
Corrosion	4.6.10	Saltspray test acc. to MIL-STD-202, Method 101, Condition B
Vibration	4.6.3	MIL-STD-202, Method 204, Condition D

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.

MATERIAL DATA

CONNECTOR PART	STANDARDS	MATERIAL	PLATING
Bodies	QQ-B-626	brass	SUCOPRO/SUCOPLATE®
Pin contact	QQ-B-626	brass	SUCOPRO/gold
Socket contact	QQ-C-530	beryllium-copper, hardened	SUCOPRO/gold
Outer contacts plug jack	QQ-C-530 ISO CuNi1Pb1P QQ-B-626	beryllium-copper, hardened copper (spring) brass	SUCOPRO/gold/ SUCOPLATE®
Crimp ferrules	SUHNER® specification QQ-B-626	copper brass	SUCOPLATE®/gold
Insulators		PTFE or PFA	

Other materials and platings on request.