6 - Technical characteristics :

Standard and shielded versions

	Testing conditions	0.50	0.80	1.00	1.25	2.54
Dielectric Test	In air, during 1 minute (MIL-STD-202 Method 301)	200 V AC Passed	400 V AC Passed	400 V AC Passed	500 V AC Passed	500 V AC Passed
Insulation resistance conductor to conductor (MΩ.m min)	500 V DC (MIL-STD-202F Method 302 cond. B)	10	10	10	10	10
Continuity test	DC 3.0 V at 0.1mA	Passed	Passed	Passed	Passed	Passed
Current rating (A)	At 23°C, increase in 10°C at the FFC surface	S : 0.5 F : -	S : 0.8 F : -	S : 1.2 F : -	S : 1.3 F : 0.9	S : 2.0

S: standard conductor F: flexible conductor

	Testing conditions	Characteristics	
Heat resistance	113°C, 168 hours following UL1581	Dielectric test Insulation resistance	Passed Passed
Thermal shock	(-55°C x 30 min→25°C x 5 min→ 85°C x 30 min → 25°C x 5 min)x 25 cycles (MIL-STD-202-107E-A1)	Dielectric test Insulation resistance	Passed Passed
Cold coiling	Rating temperature of –40°C : -40°C, 96 hours The sample will be initially wound on a mandrel of 3 mm	At room temperature : Visual inspection Dielectric test Insulation resistance	 Passed Passed Passed
Wear by abrasion	Test following EN3475-503 Weight : 500 g Speed : 60 cycles/min Abrasion tool : ∅ = 0.13 mm	Dielectric test Insulation resistance : After 10 000 cycles (std) After 500 cycles (shielded)	 Passed Passed
Flame resistance	UL 758 VW-1		Passed
Solderability	Immersion of the area which is intended for soldering into a tin bath at 250 ± 10°C During 30 seconds	No delamination Solder reflow below 1 mm	Passed Passed
Folding	The specimen shall be folded manually at 180°	Continuity after more than 20 times	Passed
Moisture resistance	60°C, 95% RH, 96 hours (MIL-STD-202-103B)	Dielectric test Insulation resistance	Passed Passed