

Receptacle Contacts

Technical Features

Contact Material:

CuSn, CuFe
Cantilever Spring: Stainless Steel

Contact Finish:

pre-tin plated,
gold plated

Wire Size Range:

0.2–1.5 mm² FLR
(thin walled wire)

**Contact Resistance
(New State):**

CuSn: <5 mΩ
CuFe: <4 mΩ

Total Temperature max.:

–40 °C to +120 °C (tin plated)
–40 °C to +140 °C (gold plated)

Mating Cycles:

10 (tin plated)
100 (gold plated)

Insertion Force:

max. 5 N
(proof tab 0.8 mm thick)

Extraction Force:

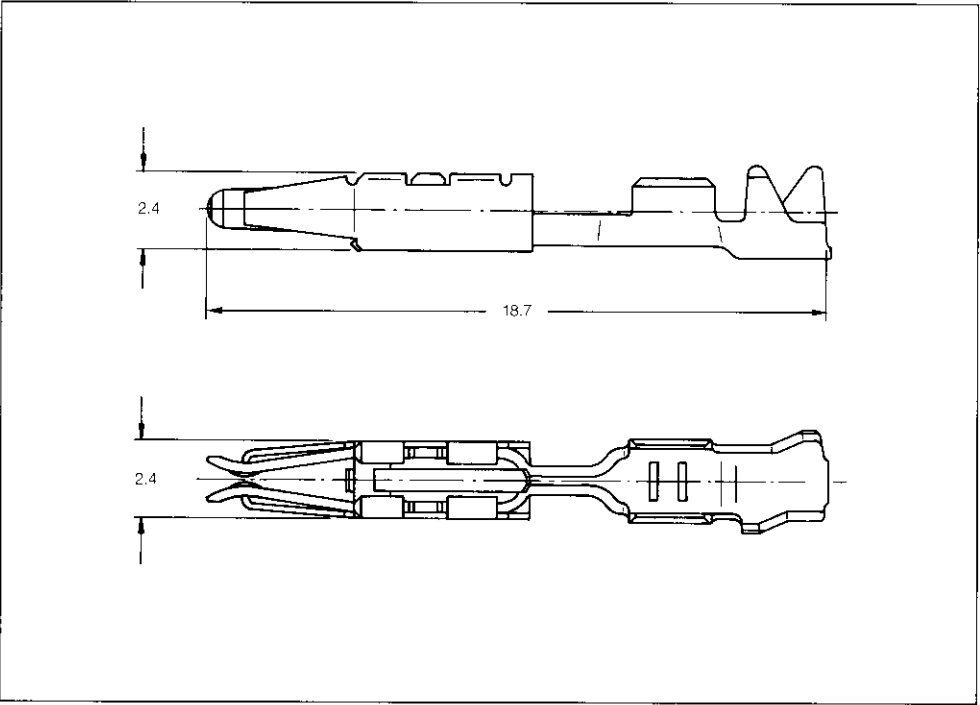
min. 2 N
(proof tab 0.8 mm thick)

**Retention Force
(from Housing):**

– without second locking device
>25 N
– second locking device only
>100 N
depends on housing material

Dimensions of Male Contacts:

1.6 mm x 0.8 mm



Extraction Tool:
Part No. **726510-1**

Product Specification:
108-18024

Application Specification:
114-18163

Max. Current in 9 Positions Housing

Material	Temperature (° C)	Current Carrying Capacity (Ampere)		
		0.35 mm ²	0.50 mm ²	0.75 mm ²
CuSn	20	3.0	5.0	8.0
	90	1.5	2.0	4.0
CuFe	20	4.0	6.0	10.0
	90	1.5	2.5	5.0

Standard Receptacle Contacts

Wire Size Range (mm ²)	Insulation Diameter		Material and Finish*	Part Numbers					Hand Tool 539635-1 with Die Set
	FLK (mm)	FLR (mm)		Strip Form	Packaging Unit	Loose- Piece	Packaging Unit	Applicator*	
0.35–0.75	–	1.2–1.9	-1 / -2 / -3 / -4 / -5 / -6	928939	6,000	929927	1,000	x-878376-x	539739-2
0.2–0.5	–	1.2–1.6	-1 / -2 / -3 / -4 / -5 / -6	929950	7,500	929951	500	x-878467-x	
0.5–1.0	–	1.4–2.1	-1 / -2 / -3 / -4 / -5 / -6 / -7 / -8	929952	6,000	929953	500	x-878468-x	
1.0–1.5	–	1.9–2.4	-1 / -2 / -3 / -4 / -5 / -6	929954	5,000	929955	500	x-878469-x	

***) Material and Finish:**

xxx-1 = CuSn, pre-tin plated
xxx-2 = CuSn, gold plated
xxx-3 = CuFe, pre-tin plated
xxx-4 = CuFe, gold plated
xxx-5 = CuSn, plain
xxx-6 = CuFe, plain
xxx-7 = CuSn, gold plated, short-circuit execution
xxx-8 = CuFe, gold plated, short-circuit execution

*) The pre- and suffix for the applicators depends on the applied termination equipment.