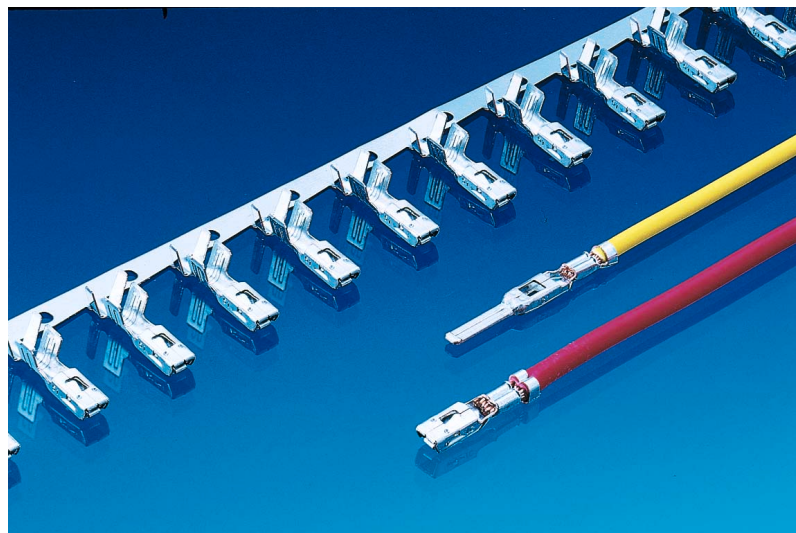


2.8 mm female and male terminals

Features

- APEX technology
- High current carrying capacity
- 5 mm pitch
- Low contact mating force
- Design compatible with a large range of connector sealing technologies (single wire sealing, mat-seal)
- Grease option available
- Suitable for secondary lock
- Selective gold-plated versions available



Performance characteristics

- | | | | |
|---------------------------|--------|-----------------------------|------|
| • Contact resistance: | < 2 mΩ | • Current carrying capacity | |
| • Contact mating force: | < 5 N | at 23°C up to approx.: | 40 A |
| • Contact unmating force: | < 2 N | at 85°C up to approx.: | 30 A |
| | | at 100°C up to approx.: | 18 A |
| | | at 125°C up to approx.: | 10 A |

Tooling

- | | |
|-------------------------|------------|
| • Manual crimping tool: | Consult us |
| • Mini applicator: | Consult us |

Part Numbers	Type	Wire size range (in AWG)		Insulation Ø (in mm) Max.	Grease	Material	Plating
		Min.	Max.				
54002200	Female	22	22	1.75	No	CuTeSn/CuBe	Sn
54001800	Female	20	18	2.13	No	CuTeSn/CuBe	Sn
54001300	Female	20+20	18+18	-	No	CuTeSn/CuBe	Sn
54001400	Female	16	14	2.77	No	CuTeSn/CuBe	Sn
54001000	Female	12	10	4.09	No	CuTeSn/CuBe	Sn
54002202	Female	22	22	1.75	Yes	CuTeSn/CuBe	Sn
54001802	Female	20	18	2.13	Yes	CuTeSn/CuBe	Sn
54001302	Female	20+20	18+18	-	Yes	CuTeSn/CuBe	Sn
54001402	Female	16	14	2.77	Yes	CuTeSn/CuBe	Sn
54001002	Female	12	10	4.09	Yes	CuTeSn/CuBe	Sn
54002203	Female	22	22	1.75	No	CuTeSn/CuBe	Au
54001803	Female	20	18	2.13	No	CuTeSn/CuBe	Au
54001303	Female	20+20	18+18	-	No	CuTeSn/CuBe	Au
54001403	Female	16	14	2.77	No	CuTeSn/CuBe	Au
54001003	Female	12	10	4.09	No	CuTeSn/CuBe	Au
54001208	Female	12	12	3.35	No	CuTeSn/CuBe	Sn
54001209	Female	12	12	3.35	Yes	CuTeSn/CuBe	Sn
54001210	Female	12	12	3.35	No	CuTeSn/CuBe	Au

SWS: Single Wire Seal

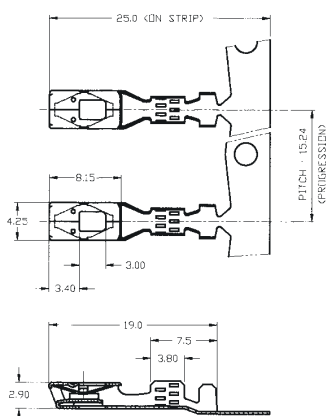
2.8 mm female and male terminals

Part Numbers	Type	Wire size range (in AWG)		Insulation Ø (in mm) Max.	Grease	Material	Plating
		Min.	Max.				
54002208 (SWS)	Female	22	22	1.75	No	CuTeSn/CuBe	Sn
54001807 (SWS)	Female	20	18	2.13	No	CuTeSn/CuBe	Sn
54001404 (SWS)	Female	16	14	2.77	No	CuTeSn/CuBe	Sn
54001202 (SWS)	Female	12	12	3.35	No	CuTeSn/CuBe	Sn
54001008 (SWS)	Female	12	10	4.09	No	CuTeSn/CuBe	Sn
54002209 (SWS)	Female	22	22	1.75	Yes	CuTeSn/CuBe	Sn
54001810 (SWS)	Female	20	18	2.13	Yes	CuTeSn/CuBe	Sn
54001409 (SWS)	Female	16	14	2.77	Yes	CuTeSn/CuBe	Sn
54001205 (SWS)	Female	12	12	3.35	Yes	CuTeSn/CuBe	Sn
54001009 (SWS)	Female	12	10	4.09	Yes	CuTeSn/CuBe	Sn
54002210 (SWS)	Female	22	22	1.75	No	CuTeSn/CuBe	Au
54001811 (SWS)	Female	20	18	2.13	No	CuTeSn/CuBe	Au
54001410 (SWS)	Female	16	14	2.77	No	CuTeSn/CuBe	Au
54001206 (SWS)	Female	12	12	3.35	No	CuTeSn/CuBe	Au
54001010 (SWS)	Female	12	10	4.09	No	CuTeSn/CuBe	Au
54002201	Male	22	12	1.75	-	CuTeSn	Sn
54001801	Male	20	18	2.13	-	CuTeSn	Sn
54001301	Male	20+20	18+18	-	-	CuTeSn	Sn
54001401	Male	16	14	2.77	-	CuTeSn	Sn
54001001	Male	12	10	4.09	-	CuTeSn	Sn
54001804	Male	20	18	2.13	-	CuTeSn	PdAuNi
54002230	Male	22	22	1.75	-	CuTeSn	PdAuNi
54001818	Male	20	18	2.13	-	CuTeSn	PdAuNi
54002229	Male	22	22	1.75	-	CuTeSn	Au
54001819	Male	20	18	2.13	-	CuTeSn	Au
54002228	Male	22	22	1.75	-	CuTeSn	PdAuNi

SWS: Single Wire Seal

Dimensional characteristics

Female terminals



Male terminals

