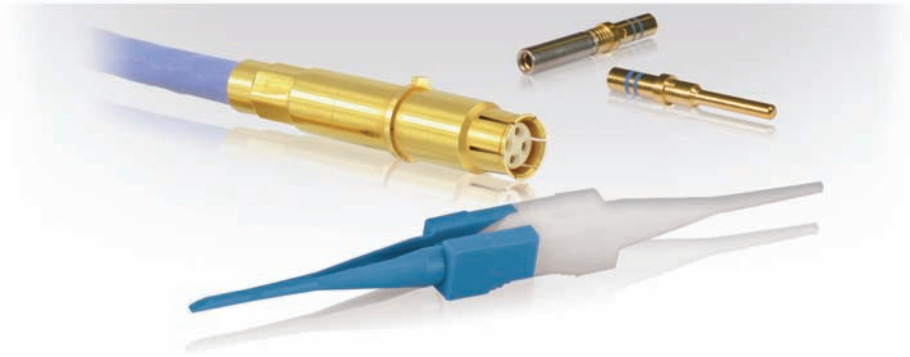


Introduction

- **SOURIAU**'s fire wall contacts offer covers a wide range of performances within the scope of high temperatures and high vibrations contraints.
- Each type has been qualified and validated by either major qualification organizations or major aerospace manufacturers:
  - Size 12, 16 & 20 signal contacts: EN3155 and ESC30 qualified
  - Size 12, 16 & 20 thermocouple contacts: EN3155 and ESC30 qualified
- **SOURIAU** also provides any tool or accessory necessary for harnessing (crimping tool, insertion and extraction tool,...) or for test benches (dummy receptacles,...)

Signal & power contacts

Crimp contacts 175°C and 200°C

Contact size	Type	Part numbers		Code	Admissible wire section		External Ø over insulator		Mass g (±15%)	
		Pin	Socket	Color bands	AWG	mm²	Min.	Max.	Pin	Socket
20	Standard	8526-1348	8526-1344 900	Red/red	24-20	0.25-0.60	0.85	2.10	0.24	0.29
	Small barrel	8525-7256 900	8525-7750 900	Red/green	22-26	0.15-0.40	0.85	2.10	0.24	0.29
	Large barrel	8522-2349 A	8520-292	Red/brown	24-18	0.25-1	0.85	2.10	0.24	0.29
16	Standard	8526-1349	8526-1346A 900	Blue/blue	20-16	0.60-1.20	1.20	2.70	0.53	0.59
	Small barrel	8526-4175	8526-4176	Blue/brown	24-18	0.25-1	1.20	2.70	0.53	0.59
	Large barrel	8522-6179 A	8522-6180B 900	Blue/white	18-14	1-2	1.20	2.70	0.53	0.59
12	Standard	8526-1350	8526-1347A 900	Yellow/yellow	16-12	1.20-3	1.90	4.01	1.15	1.28
	Small barrel	8526-5041	8526-5591A 900	Yellow/brown	24-18	0.25-1	1.90	4.01	1.15	1.28
	Large barrel	8526-4136 900	8526-4138A 900	Yellow/brown		3-4	1.90	4.01	1.15	1.28
4	Small barrel	8533-8202	8533-8171	Blue/green	8-6	9-14	6.71	7.41	7.3	8.5
	Standard	8533-8201	8533-8120	Blue/blue	4	22	6.71	7.41	7.3	8.5

Crimp contacts 260°C

Contact size	Type	Part numbers		Code		Admissible wire section		External Ø over insulator		Mass g (±15%)	
		Pin	Socket	Color bands	Dot	AWG	mm²	Min.	Max.	Pin	Socket
20	Standard	8533-1000 900	8533-1011 900	Red/red	White	24-20	0.25-0.60	0.85	2.10	0.24	0.29
	Large barrel	8533-1002 900	8533-1012 900	Red/brown	White	24-18	0.25-1	0.85	2.10	0.24	0.29
	x2 crimping	8533-1019 900	8533-1018 900	Red/green	White	22	0.40	-	1.25	0.24	0.29
16	Standard	8533-1004 900	8533-1005 900	Blue/blue	White	20-16	0.60-1.20	1.20	2.70	0.53	0.59
	Small barrel	8533-1008 900	8533-1009 900	Blue/brown	White	24-18	0.25-1	1.20	2.70	0.53	0.59
	Large barrel	8533-1006 900	8533-1007 900	Blue/white	White	18-14	1-2	1.20	2.70	0.53	0.59
12	Standard	8533-1035 900	8533-1036 900	Yellow/yellow	White	14-12	2-3	1.90	4.01	1.15	1.28
	Large barrel	8533-1014 900	8533-1015 900	Yellow/brown	White		3-4	1.90	4.01	1.15	1.28

Crimp contacts 200°C and 260°C

Contact size	Type	Part numbers		Code	Admissible wire section		External Ø over insulator		Mass g (±15%)	
		Pin	Socket	Color bands	AWG	mm²	Min.	Max.	Pin	Socket
6	Standard	8533-8246	8533-8247	Green/green	6	14	5.30	5.70	3.6	4.8
	Small barrel	8533-8272	8533-8273	Green/red	8	9	5.30	5.70	3.6	4.8
	Small barrel	8533-8248	8533-8249	Green/brown	10-12	5-3	5.30	5.70	3.6	4.8

Thermocouple contacts (-65°C to +260°C)

Chromel - Pin contacts (non magnetic)

Contact size	Type	Part numbers	Code		Admissible wire section		External Ø over insulator	
			Color bands	Dot	AWG	mm²	Min.	Max.
20	Standard	8522-875	Red/red	Yellow/white	22-20	0.40-0.60	0.85	2.10
		8522-875 A	Brown/orange/green					
	Large barrel	8522-3761		Yellow/yellow	22-18	0.38-0.93	0.85	2.10
16	Standard	8522-881	Green/brown/violet	Yellow	20-16	0.60-1.34	1.20	2.70
		8522-402	Blue/blue	Yellow	20-16	0.60-1.34	1.20	2.70

Chromel - Socket contacts (non magnetic)

Contact size	Type	Part numbers	Code		Admissible wire section		External Ø over insulator	
			Color bands	Dot	AWG	mm²	Min.	Max.
20	Standard	8522-877 900	Red/red	Yellow/white	22-20	0.40-0.60	0.85	2.10
		8522-877 A900	Brown/yellow/brown	Yellow				
	Large barrel	8522-3770		Yellow/yellow	22-18	0.38-0.93	0.85	2.10
16	Standard	8522-883 900	Green/red/red	Yellow	20-16	0.60-1.34	1.20	2.70
		8522-403 900	Blue/blue	Yellow				
	Small barrel	8526-5571 A900	Blue/red	Yellow	24-18	0.25-1	1.20	2.70

Alumel - Pin contacts (magnetic)

Contact size	Type	Part numbers	Code		Admissible wire section		External Ø over insulator	
			Color bands	Dot	AWG	mm²	Min.	Max.
20	Standard	8522-876	Red/red	Black/white	22-20	0.40-0.60	0.85	2.10
		8522-876 A	Brown/orange/yellow	Black				
	Large barrel	8522-3760		Black/black	22-18	0.38-0.93	0.85	2.10
16	Standard	8522-882	Green/brown/blue	Black	20-16	0.60-1.34	1.20	2.70
		8522-401	Blue/blue	Black	20-16	0.60-1.34	1.20	2.70

Alumel - Socket contacts (magnetic)

Contact size	Type	Part numbers	Code		Admissible wire section		External Ø over insulator	
			Color bands	Dot	AWG	mm²	Min.	Max.
20	Standard	8522-878 900	Red/red	Black/white	22-20	0.40-0.60	0.85	2.10
		8522-878A 900	Brown/yellow/black					
	Large barrel	8522-3771		Black/black	22-18	0.38-0.93	0.85	2.10
16	Standard	8522-884 900	Green/red/brown	Black	20-16	0.60-1.34	1.20	2.70
		8522-404 900	Blue/blue	Black				
	Small barrel	8526-5576A 900	Blue/red	Black	24-18	0.25-1	1.20	2.70