

## Ring, splice, tabs and insulators

Wire Range	Ring Size	Comment	Material					
			Phosphor Bronze	Tinned Phosphor Bronze	Brass	Tinned Brass	Nickel Silver	Nickel Plated Steel
0.4-1.0	M3				ET-113CB	ET-113CC		ET-113CE
	M4				ET-114CB	ET-114CC	ET-114CD	ET-114CE
	M5				ET-115CB	ET-115CC		ET-115CE
0.5-1.0 Din 46225 Form A	M3	Anti-vibration			ET-113DB	ET-113DC		ET-113DE
	M4				ET-213DB	ET-213DC		ET-213DE
		Anti-vibration			ET-114DB	ET-114DC		ET-114DE
M5				ET-214DB	ET-214DC		ET-214DE	
0.7-2.1	M3	Anti-vibration			ET-113GB	ET-113GC	ET-113GD	
	M4				ET-213GB	ET-213GC		
		Anti-vibration		ET-214GG	ET-114GB	ET-114GC	ET-114GD	ET-114GE
	M5	Anti-vibration			ET-115GB	ET-115GC	ET-115GD	ET-115GE
1.0-2.5 Din 46225 Form A	M3	Anti-vibration			ET-215GB	ET-215GC	ET-215GD	ET-215GE
	M4				ET-116GB	ET-116GC	ET-116GD	ET-116GE
		Anti-vibration			ET-113HB	ET-113HC		ET-113HE
	M5				ET-213HB	ET-213HC		ET-213HE
		Anti-vibration			ET-114HB	ET-114HC		ET-114HE
	M6			ET-214HB	ET-214HC		ET-214HE	
	M8			ET-115HB	ET-115HC		ET-115HE	
3.0-5.0	M3				ET-215HB	ET-215HC		ET-215HE
	M4				ET-116HB	ET-116HC		ET-116HE
	M5			ET-118HB	ET-118HC		ET-118HE	
	M6			ET-113JB	ET-113JC			
4.0-6.0 Din Style	M4		ET-114TA		ET-114TB	ET-114TC	ET-114TD	ET-114TE
	M5		ET-115TA		ET-115TB	ET-115TC	ET-115TD	ET-115TE

### Ring



Type	Wire range	Material		
		Brass	Tinned Brass	Nickel Silver
Shoelace	0.5-1.0	SH-CDB-2	SH-CDC-2	SH-CDE-3
	1.0-2.5	SH-CHB		
Splice	3.0-5.0	SP-AJB-2		SP-AJE
		SP-BJB		SP-BJE

### Splice



Type	Mount Style	Hole Size	Rib Style	Angle	Material				
					Brass	Tinned Brass	Mild Steel Natural	Nickel Plated Steel	Stainless Steel
Tab	Plain	2.4mm	No Rib	Single 90°	63-A08P-BOBE	63-A08P-B0CE	63-A08P-B0HE	63-A08P-BOEE	
				Single Flat			63-A08P-B0HA	63-A08P-BOEA	
				Single 45°			63-A08P-B0HC	63-A08P-BOEC	
				Single Flat	63-A08P-C0BA	63-A08P-C0CA			
				Single 30°	63-A08P-C0BB	63-A08P-C0CB			
				Single 45°	63-A08P-C0BC				
		3.3mm	No Rib	Single 90°	63-A08P-C0BE	63-A08P-C0CE	63-A08P-C0HE	63-A08P-C0EE	
				Single 45°	63-A08P-C6BC				
				Single Flat	63-A08P-D0BA				
				Single 30°	63-A08P-D0BB				
				Single 45°	63-A08P-D0BC	63-A08P-D0CC	63-A08P-D0HC	63-A08P-D0EC	
				Single Flat	63-A08P-F0BA	63-A08P-F0CA			
		4.25mm	No Rib	Single 45°	63-A08P-F0BC	63-A08P-F0CC			
				Single 90°	63-A08P-F0BE				
				Double Flat	63-A08P-G0BF				
				Double 45°	63-A08P-G0BH				
				Double 90°	63-A08P-G0BK				
				Double Flat	63-A08P-H0BF				
	4.8mm	No Rib	Double Flat	63-A08P-H0BK					
			Double 90°	63-A08P-I0BC	63-A08P-I0CC	63-A08P-I0HC	63-A08P-I0EC		
			Single 45°	63-A08P-I0BF					
			Double Flat	63-A08P-I0BF					
			Single 45°	63-A08P-I6BC					
			Anti Rotation						
Weld	No Hole	1 Straight	Single Flat				63-A08W-A0EA		
			Single 30°			63-A08W-A2HA	63-A08W-A2EA		
			Single 45°			63-A08W-A2HB	63-A08W-A2EB		
			Single 60°			63-A08W-A2HC	63-A08W-A2EC		
			Single 90°			63-A08W-A2HD	63-A08W-A2ED		
			Single 90°			63-A08W-A2HE	63-A08W-A2EE	63-A08W-A2FE	
	1 Angled	Single Flat			63-A08W-A3HA	63-A08W-A3EA			
		Single 60°			63-A08W-A3HD	63-A08W-A3ED			
		Double Flat			63-A08W-E4HF	63-A08W-E4EF			
		Double Flat							
		Double Flat							
		Double Flat							
PCB	2 Leg	No Hole							
Adaptor	Plain	2.4mm			63-C08P-B0BF	63-B08D-A0CA			
		4.25mm				63-C08P-F0CA			

### Tabs



To Fit	Type	Colour	Material							
			Nylon	High Temperature Nylon	PVC	Polypropylene	Polyethylene	No Flame		
4.8mm	Flag	Pre Fit	Clear			48-IFAD2-2		48-IFBC1	48-IFBD2	
		Post Fit	Natural	48-IFBA1						
			Camel							48-IFBH1
		6.3mm	Flag	Pre Fit	Clear			63-IFAD1		
Post Fit	Natural			63-IFBA1				63-IFBC1		
	Camel									63-IFBH1
2.8mm	Straight			Post Fit	Natural	28-ISBA1				
		Pre Fit	Clear			48-ISAD2-3				
			Natural	48-ISBA1						
		6.3mm	Straight	Post Fit	Clear			63-ISAD2		
Book Type	Natural			63-ISBA1-1	63-ISBA1-11			63-ISBC1		63-ISBH1
	Natural			63-ISBA1-2						

### Insulators



## Straight, flag and piggyback receptacles

**2.8mm**


Type	Wire Range	Tab size	Comment	Material			
				Phosphor Bronze	Brass	Tinned Brass	Nickel Silver
Flag	0.2 - 0.7	0.8mm			28FR08-10AB-5	28FR08-10AC-5	
	0.4-1.0	0.5mm					
Straight	0.2 - 0.7	0.5mm		28SR05-10AA-5	28SR05-10AB	28SR05-10AC	28SR05-10AD
		0.8mm		28SR08-10AA-5	28SR08-10AB	28SR08-10AC	28SR08-10AD
				28SR05-10DA	28SR05-10DB	28SR05-10DC	28SR05-10DD
		0.5mm	Locking		28SL05-10DB	28SL05-10DC	
	Low Insertion			28SR05-20DB	28SR05-20DC		
	0.8mm			28SR08-10DB	28SR08-10DC	28SR08-10DD	
		Locking		28SL08-10DB	28SL08-10DC		
				28SR08-20DB	28SR08-20DC		
		Low Insertion					
	0.5-1.0 Non Din Style	0.5mm	Without Dimple		28SR05-11RB	28SR05-11RC	28SR05-11RD
0.8mm		Without Dimple		28SR08-11RB	28SR08-11RC	28SR08-11RD	

**4.8mm**


Type	Wire Range	Tab size	Comment	Material					
				Phosphor Bronze	Tinned Phosphor Bronze	Brass	Tinned Brass	Nickel Silver	Nickel Plated Steel
Flag	0.4-1.0	0.5mm		48FR05-10CA		48FR05-10CB	48FR05-10CC	48FR05-10CD	48FR05-10CE-2
			With Latch	48FR05-14CA					
		0.8mm		48FR08-14CA		48FR08-10CB	48FR08-10CC	48FR08-10CD-3	
			With Latch	48FR08-14CA					
	0.5-1.0 Din Style	0.5mm		48FR05-10DA		48FR05-10DB	48FR05-10DC	48FR05-10DD	48FR05-10DE
			Locking	48FL05-10DA		48FL05-10DB	48FL05-10DC	48FL05-10DD	
		0.8mm		48FR05-20DA	48FR05-20DB	48FR05-20DC	48FR05-20DD	48FR05-20DE	
			Locking	48FR08-10DA	48FR08-10DB	48FR08-10DC	48FR08-10DD	48FR08-10DE	
	1.0-2.5	0.5mm		48FR08-10DA	48FR08-10DB	48FR08-10DC	48FR08-10DD	48FR08-10DE	
			Locking	48FL08-10DA	48FL08-10DB	48FL08-10DC	48FL08-10DD		
		0.8mm		48FR08-20DA	48FR08-20DB	48FR08-20DC	48FR08-20DD	48FR08-20DE	
			Locking	48FR05-10HA	48FR05-10HB	48FR05-10HC	48FR05-10HD	48FR05-10HE	
0.5mm		48FR05-10HA	48FR05-10HB	48FR05-10HC	48FR05-10HD	48FR05-10HE			
	Locking	48FL05-10HA	48FL05-10HB	48FL05-10HC	48FL05-10HD				
	0.8mm		48FR05-20HA	48FR05-20HB	48FR05-20HC	48FR05-20HD	48FR05-20HE		
		Locking	48FR08-10HA	48FR08-10HB	48FR08-10HC	48FR08-10HD	48FR08-10HE		
Straight	0.4-1.0	0.5mm		48SR05-10CA	48SR05-10CB	48SR05-10CC	48SR05-10CD	48SR05-10CE	
			Double wire	48SR05-12CA	48SR05-12CB	48SR05-12CC	48SR05-12CD	48SR05-12CE	
		0.8mm		48SR08-10CA	48SR08-10CB	48SR08-10CC	48SR08-10CD	48SR08-10CE	
			Double wire	48SR08-12CA	48SR08-12CB	48SR08-12CC	48SR08-12CD	48SR08-12CE	
	0.5-1.0 Din Style	0.5mm		48SR05-10DA	48SR05-10DG	48SR05-10DB	48SR05-10DC	48SR05-10DD	48SR05-10DE
			Locking	48SL05-10DA	48SL05-10DB	48SL05-10DC	48SL05-10DD		
		0.8mm		48SR05-20DA	48SR05-20DG	48SR05-20DB	48SR05-20DC	48SR05-20DD	48SR05-20DE
			Locking	48SR08-10DA	48SR08-10DG	48SR08-10DB	48SR08-10DC	48SR08-10DD	48SR08-10DE
	1.0-2.5	0.5mm		48SR08-10DA	48SR08-10DG	48SR08-10DB	48SR08-10DC	48SR08-10DD	48SR08-10DE
			Locking	48SL08-10DA	48SL08-10DG	48SL08-10DB	48SL08-10DC	48SL08-10DD	
		0.8mm		48SR08-20DA	48SR08-20DG	48SR08-20DB	48SR08-20DC	48SR08-20DD	48SR08-20DE
			Locking	48SR05-10HA	48SR05-10HG	48SR05-10HB	48SR05-10HC	48SR05-10HD	48SR05-10HE
0.5mm		48SR05-10HA	48SR05-10HG	48SR05-10HB	48SR05-10HC	48SR05-10HD	48SR05-10HE		
	Locking	48SL05-10HA	48SL05-10HG	48SL05-10HB	48SL05-10HC	48SL05-10HD			
	0.8mm		48SR05-20HA	48SR05-20HG	48SR05-20HB	48SR05-20HC	48SR05-20HD	48SR05-20HE	
		Locking	48SR08-10HA	48SR08-10HG	48SR08-10HB	48SR08-10HC	48SR08-10HD	48SR08-10HE	
0.5mm		48SR08-10HA	48SR08-10HG	48SR08-10HB	48SR08-10HC	48SR08-10HD	48SR08-10HE		
	Locking	48SL08-10HA	48SL08-10HG	48SL08-10HB	48SL08-10HC	48SL08-10HD			
	0.8mm		48SR08-20HA	48SR08-20HG	48SR08-20HB	48SR08-20HC	48SR08-20HD	48SR08-20HE	
		Locking	48SR08-20HA	48SR08-20HG	48SR08-20HB	48SR08-20HC	48SR08-20HD	48SR08-20HE	

**6.3mm**


Type	Wire Range	Tab size	Comment	Material					
				Phosphor Bronze	Tinned Phosphor Bronze	Brass	Tinned Brass	Nickel Silver	Nickel Plated Steel
Flag	0.2-0.7	0.8mm		63FR08-10AA		63FR08-10AB	63FR08-10AC	63FR08-10AD	63FR08-10AE
	0.3-1.0		Double Wire	63FR08-12CA		63FR08-12CB	63FR08-12CC	63FR08-12CD	63FR08-12CE
						63FR08-10LB	63FR08-10LC	63FR08-10LD	
	0.4-1.0						63FR08-10CC		
	0.5-1.0 Din Style			63FR08-10DA	63FR08-10DG	63FR08-10DB	63FR08-10DC	63FR08-10DD	63FR08-10DE
			Locking	63FL08-10DA		63FL08-10DB	63FL08-10DC	63FL08-10DD	
	0.7-2.1			63FR08-20DA	63FR08-20DG	63FR08-20DB	63FR08-20DC	63FR08-20DD	63FR08-20DE
			Zero Insertion	63FR08-10GA		63FR08-10GB	63FR08-10GC	63FR08-10GD	63FR08-10GE
	1.0-2.5			63FR08-30GB	63FR08-30GC	63FR08-30GD	63FR08-30GE		
			Locking	63FR08-10HA	63FR08-10HG	63FR08-10HB	63FR08-10HC	63FR08-10HD	63FR08-10HE
0.8mm		63FR08-10HA	63FR08-10HG	63FR08-10HB	63FR08-10HC	63FR08-10HD	63FR08-10HE		
	Low Insertion	63FR08-20HA		63FR08-20HB	63FR08-20HC	63FR08-20HD	63FR08-20HE		
Piggy Back	0.7-2.1	0.8mm		63PB08-10GA	63PB08-10GG	63PB08-10GB	63PB08-10GC	63PB08-10GD	
Straight	0.4-0.8	0.8mm		63SR08-10BA		63SR08-10BB	63SR08-10BC	63SR08-10BD	63SR08-10BE
				63SR08-10DA	63SR08-10DG	63SR08-10DB	63SR08-10DC	63SR08-10DD	63SR08-10DE
	0.5-1.0	0.8mm	Locking	63SL08-10DA	63SL08-10DG	63SL08-10DB	63SL08-10DC	63SL08-10DD	
			Low Insertion	63SR08-20DA	63SR08-20DG	63SR08-20DB	63SR08-20DC	63SR08-20DD	63SR08-20DE
	0.5-1.5	0.8mm	Low Insertion	63SR10-20EA	63SR10-20EG	63SR08-10EB	63SR08-10EC	63SR08-10ED	63SR08-10EE
			Double/ Low insertion	63SR10-22EA	63SR10-22EG	63SR10-22EB	63SR10-22EC		
	0.7-1.5	0.8mm	Double Wire	63SR08-12FA		63SR08-12FB	63SR08-12FC	63SR08-12FD	63SR08-12FE
			Low Insertion	63SR08-20FA		63SR08-20FB	63SR08-20FC	63SR08-20FD	63SR08-20FE
	1.0mm	0.8mm	Double/ Low insertion	63SR08-22FA		63SR08-22FB	63SR08-22FC	63SR08-22FD	63SR08-22FE
				63SR10-22FG					
	0.7-2.1	0.8mm		63SR08-10GA		63SR08-10GB	63SR08-10GC	63SR08-10GD	63SR08-10GE
			Zero Insertion						
	1.0-2.5	0.8mm		63SR08-10HA	63SR08-10HG	63SR08-10HB	63SR08-10HC	63SR08-10HD	63SR08-10HE
			Locking	63SL08-10HA	63SL08-10HG	63SL08-10HB	63SL08-10HC	63SL08-10HD	
			Low Insertion	63SR08-20HA	63SR08-20HG	63SR08-20HB	63SR08-20HC	63SR08-20HD	63SR08-20HE
			Without Dimple				63SR08-21HC		

**Pre insulated terminals**

**Ring solderless terminals**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	M3	M3.5	M4
0.5-1.0	33501.000.000	33502.000.000	33587.000.818
1.5-2.5	33505.000.000	33561.000.000	33589.000.818
4-6			33510.000.818

  

mm <sup>2</sup>	M5	M6	M8
0.5-1.0	33588.000.818	33572.000.818	33573.000.818
1.5-2.5	33590.000.818	33508.000.818	33509.000.818
4-6	33511.000.818	33512.000.818	33513.000.818



**Fork solderless terminals**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	M3.5	M4	M5
0.5-1.0	33570.000.000	33592.000.818	33576.000.818
1.5-2.5	33558.000.000	33594.000.818	33582.000.818
4-6		33560.000.818	33566.000.818

  

mm <sup>2</sup>	M6	M8
0.5-1.0	33577.000.000	
1.5-2.5	33580.000.818	
4-6	33567.000.818	33583.000.000



**Part Insulated Receptacles**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	2.8 x 0.8	4.8 x 0.5	4.8 x 0.8	7.7 x 0.5
0.5-1.0	35414.000.818	35314.000.818	35313.000.818	35040.000.818
1.5-2.5		35315.000.818	35312.000.818	35032.000.818
4-6				34047.000.818



**Pin Insulated terminals**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	
0.5-1.0	33525.000.818
1.5-2.5	33524.000.818
4-6	33523.000.818



**Fully Insulated Receptacles**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	
0.5-1.0	35180.000.818
1.5-2.5	35179.000.818
4-6	



**Piggy Insulated Receptacles**

Multiple type 0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	
0.5-1.0	35143.000.818
1.5-2.5	35262.000.818
4-6	



**Insulated closed end**

Splices 1.5 - 8mm<sup>2</sup>

mm <sup>2</sup>	
1.5-2.5	34022.000.818
4-6	34015.000.000



**Insulated butt connectors**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	
0.5-1.0	34538.000.000
1.5-2.5	34540.000.000
4-6	34539.000.818



**Insulated Tabs**

0.5 - 6mm<sup>2</sup>

mm <sup>2</sup>	2.8 x 0.8	6.3 x 0.8
0.5-1.0	35144.000.000	35135.000.818
1.5-2.5		35259.000.818
4-6		35258.000.000



**Mechanical crimping tools**

**K 4** 0.5 - 2.5 mm<sup>2</sup>  
**K 3** 0.5 - 16 mm<sup>2</sup>

- Spring supported tool opening (K4)
- With wire cutter (K3)

For cable end-sleeves

**K38ERGO** 0.25 - 6 mm<sup>2</sup>  
2 x 0.5 - 2 x 2.5 mm<sup>2</sup>

- Ergonomic design
- Low crimping force

For cable end-sleeves and twin cable end-sleeves

**K 30/3** 0.08 - 10 mm<sup>2</sup>  
2 x 6 - 2 x 16 mm<sup>2</sup>

- With ratchet
- Stepless crimp profile

**K 28** 10 - 50 mm<sup>2</sup>  
2 x 4 - 2 x 16 mm<sup>2</sup>

- With ratchet
- Trapezoid crimping

**K 82** 0.5 - 6 mm<sup>2</sup>

- Crimping of conductor and insulation in one step

For insulated cable connections

**K 507** 0.5 - 6 mm<sup>2</sup>

For exchangeable dies (storage magazine integrated in handles)

- 0.5 - 6 mm<sup>2</sup>
- 0.5 - 10 mm<sup>2</sup>
- 0.5 - 10 mm<sup>2</sup>