

## 3M™ Terminal Numbering System

3M Identity	Code/Barrel Style	Wire Size Code (AWG)	– Stud, Tab, or Bullet Size	Tongue Code	Product Availability**
M	No Code = Bare Brazed A = No Barrel (adapter) I = Double Wall w/Interlock N = Nylon Brazed NG = Nylon w/ Grip NHU = Nylon/Butted w/ Heat Shrink Over Top NU = Nylon/Butted U = Bare/Butted V = Vinyl/Brazed VA = Vinyl Adapter VU = Vinyl/Butted	24 = 26–24 (yellow) 20 = 26–20 (yellow) 18 = 22–18 (red) 14 = 16–14 (blue) 10 = 12–10 (yellow) 8 = 8 (red) 6 = 6 (blue) 4 = 4 (yellow)	– (STUD) 0 = 0 2 = 2 4 = 4 6 = 6 8 = 8 10 = 10 12 = 1/2" 14 = 1/4" 38 = 3/8" 516 = 5/16" 610 = 6, 8, 10  (TAB) 110 = 0.110" x 0.020" 110/32 = 0.110" x 0.032" 187 = 0.187" x 0.020" 250 = 0.250" x 0.032" 375 = 0.375" x 0.050"  (BULLET) 156 = 0.156" Dia. 180 = 0.180" Dia. 47 = 0.47 Pin Length 55 = 0.55 Pin Length	F = Fork FB = Fork, Block FBHT = Fork, Block, High Temp. FFB = Fork, Flanged, Block FHT = Fork, High Temp. FL = Fork, Locking R = Ring RHD = Ring, Heavy Duty RHT = Ring, High Temp. /S = Short or Small /L = Large or Long R/Flag = Ring, Flag BC = Butt Connector CEC = Closed End Connector P = Pin Connector PC = Parallel Connector BCM = Butt Connector Moisture Resistant CEC/ST = Closed End Connector, Steel Insert Disconnect DF = Female DFHT = Female, High Temp. DFI = Female, Fully Insulated DM = Male DMF = Male, Female DMHT = Male, High Temp. DMI = Male, Fully Insulated DF/Flag = Female Flag Adapter D = Disconnects F = Female FFI = Double Female, Fully Insulated M = Male MMI = Double Male, Fully Insulated MMF = Double Male, Female MFM = Male, Female, Male, Stacking RR = Ring Rectangular Tongue Fuse = Fuse Adapter Clip	All box (X) package terminals in this catalog are available (in the packaging quantity indicated) from local distributor stocks. All bulk (K) packaged terminals are available in full cartons only, and may require a three to five week order lead time from the factory.

\* A dash (–) separates the wire size code from the stud, tab or bullet size code.

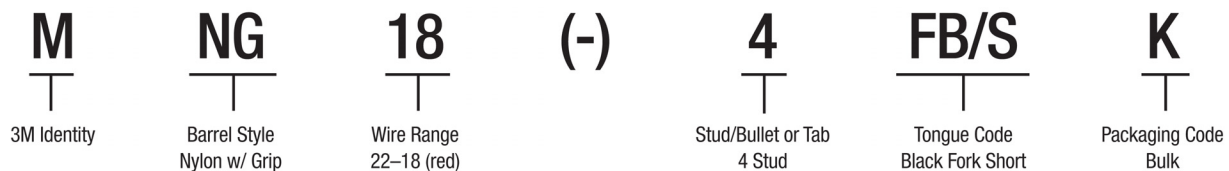
\*\* Denotes product packaging. Packaging of 3M™ Scotchlok™ terminals should be specified by using the appropriate terminal part number. Suffix letters are indicated within each product number. (See "Product Number" heading in ordering information charts.)

Note: Contact your local distributor or 3M sales office for price and delivery information.

### Map of Numbering System

**Example:**



























Catalog Number: MNG18-4 FB/SK



**Insulator Color Coding**

Yellow (26-24 AWG)    Red (22-18 AWG)    Blue (16-14 AWG)    Yellow (12-10 AWG)    Red (8 AWG)    Blue (6 AWG)    Yellow (4 AWG)

## 3M™ Terminal Stud Size Chart

	Stud Size			OUS/Metric	Diameter	3M Terminal Hole Diameter
	US/Inches	Diameter				
#2		0.086" (2,144 mm)	M2		2,0 mm (0.080")	0.095" (2,4 mm)
#4		0.112" (2,844 mm)	M2,5		2,5 mm (0.100")	0.120" (3,0 mm)
#5		0.125" (3,175 mm)	M3		3,0 mm (0.120")	0.148" (3,8 mm)
#6		0.138" (3,505 mm)	M3,5		3,5 mm (0.140")	0.148" (3,8 mm)
#8		0.164" (4,166 mm)	M4		4,0 mm (0.176")	0.174" (4,4 mm)
#10		0.190" (4,826 mm)	M5		5,0 mm (0.20")	0.200" (5,1 mm)
1/4		0.250" (6,350 mm)	M6		6,0 mm (0.24")	0.265" (6,7 mm)
5/16		0.3125" (7,938 mm)	M8		8,0 mm (0.32")	0.328" (8,3 mm)
3/8		0.375" (9,525 mm)	M10		10,0 mm (0.40")	0.397" (10,1 mm)
7/16		0.4375" (11,113 mm)	M10		10,0 mm (0.48")	0.450" (11,4 mm)
1/2		0.500" (12,700 mm)	M12		12,0 mm (0.48")	0.515" (13,1 mm)
5/8		0.625" (15,875 mm)	M16		16,0 mm (0.64")	0.656" (16,7 mm)
3/4		0.750" (19,050 mm)	M18		18,0 mm (0.72")	0.781" (19,8 mm)

Ref: ISO 263-1973 for inch stud sizes and ISO 262-1973 for metric stud sizes.

## American Wire Gauge



Size	Inches	Millimeters	Size	Inches	Millimeters	Size	Inches	Millimeters
4/0	0.4600	11,684	4	0.2043	5,189	16	0.0508	1,290
3/0	0.4096	10,040	6	0.1620	4,115	18	0.0403	1,024
2/0	0.3648	9,266	8	0.1285	3,264	20	0.0320	0,813
1/0	0.3249	8,253	10	0.1019	2,588	22	0.0253	0,643
1	0.2893	7,347	12	0.0808	2,052	24	0.0201	0,511
2	0.2576	6,543	14	0.0641	1,628	26	0.0159	0,404

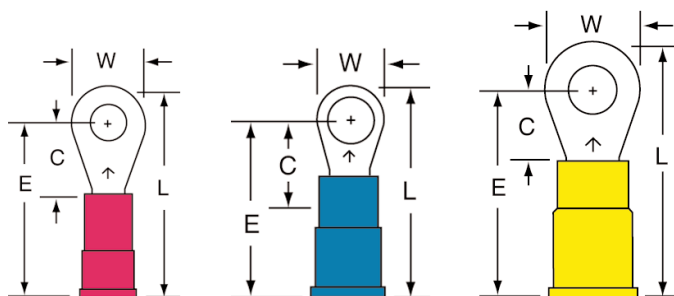
Terminals, Kits and Tools: 3M™ Scotchlok™ Ring Tongues

## Nylon Insulated Brazed Seam Ring Tongues (continued)

Product No.	UPC	Conductor Size	Stud Size	(W)	(C)	(L)	(E)	Thickness	Barrel I.D.	Max. Insul. Dia.	Terminals per Carton	Terminals per Case
MN24-4RK	054007-95142	26-24 AWG	4	0.20"	0.21"	0.60"	0.49"	0.020"	0.030"	0.093"	-	1000
MN24-6RK	054007-95146	26-24 AWG	6	0.20"	0.21"	0.60"	0.49"	0.020"	0.030"	0.093"	-	1000
MN24-8RK	054007-95161	26-24 AWG	8	0.25"	0.28"	0.69"	0.56"	0.020"	0.030"	0.093"	-	1000
MN24-10RK	054007-95156	26-24 AWG	10	0.25"	0.28"	0.69"	0.56"	0.020"	0.030"	0.093"	-	1000

## Vinyl Insulated Brazed Seam Ring Tongues

**Terminal Type** Ring  
**Terminal Style** Standard  
**Insulation Material** Vinyl  
**Barrel Style** Brazed  
**EU RoHS** Yes  
**Agency Approval**   
**Manufacturing Origin** 



Product No.	UPC	Conductor Size	Stud Size	(W)	(C)	(L)	(E)	Thickness	Barrel I.D.	Max. Insul. Dia.	Terminals per Carton	Terminals per Case
MV18-2R/SK	054007-01045	22 - 18 AWG	2	0.25"	0.22"	0.80"	0.67"	0.030"	0.070"	0.145"	-	1000
MV18-4R/SX	051128-58729	22 - 18 AWG	4	0.25"	0.22"	0.80"	0.67"	0.030"	0.070"	0.145"	100	500
MV18-4R/SK	054007-01046	22 - 18 AWG	4	0.25"	0.22"	0.80"	0.67"	0.030"	0.070"	0.145"	-	1000
MV18-6R/SX	051128-58730	22 - 18 AWG	6	0.25"	0.22"	0.80"	0.67"	0.030"	0.070"	0.145"	100	500
MV18-6R/SK	054007-01048	22 - 18 AWG	6	0.25"	0.22"	0.80"	0.67"	0.030"	0.070"	0.145"	-	1000
MV18-8R/LX	051128-58731	22 - 18 AWG	8	0.31"	0.33"	0.93"	0.78"	0.030"	0.070"	0.145"	100	500
MV18-8R/LK	054007-01053	22 - 18 AWG	8	0.31"	0.33"	0.93"	0.78"	0.030"	0.070"	0.145"	-	1000
MV18-10R/LX	051128-58732	22 - 18 AWG	10	0.31"	0.33"	0.93"	0.78"	0.030"	0.070"	0.145"	100	500
MV18-10R/LK	054007-01055	22 - 18 AWG	10	0.31"	0.33"	0.93"	0.78"	0.030"	0.070"	0.145"	-	1000
MV18-14R/SX	051128-58733	22 - 18 AWG	1/4"	0.47"	0.40"	1.08"	0.85"	0.030"	0.070"	0.145"	100	500
MV18-14R/SK	054007-01056	22 - 18 AWG	1/4"	0.47"	0.40"	1.08"	0.85"	0.030"	0.070"	0.145"	-	1000
MV18-516R/SX	051128-58942	22 - 18 AWG	5/16"	0.47"	0.40"	1.08"	0.85"	0.030"	0.070"	0.145"	100	500
MV18-38RX	051128-58734	22 - 18 AWG	3/8"	0.56"	0.40"	1.13"	0.85"	0.030"	0.070"	0.145"	100	500
MV14-4R/SX	051128-58752	16 - 14 AWG	4	0.25"	0.22"	0.80"	0.67"	0.030"	0.090"	0.170"	100	500
MV14-4R/SK	054007-01412	16 - 14 AWG	4	0.25"	0.22"	0.80"	0.67"	0.030"	0.090"	0.170"	-	1000
MV14-6R/SX	051128-58753	16 - 14 AWG	6	0.25"	0.22"	0.80"	0.67"	0.030"	0.090"	0.170"	100	500
MV14-6R/SK	054007-01414	16 - 14 AWG	6	0.25"	0.22"	0.80"	0.67"	0.030"	0.090"	0.170"	-	1000
MV14-8R/SK	054007-01417	16 - 14 AWG	8	0.25"	0.22"	0.80"	0.67"	0.030"	0.090"	0.170"	-	1000
MV14-8R/LX	051128-58755	16 - 14 AWG	8	0.31"	0.33"	0.93"	0.78"	0.030"	0.090"	0.170"	100	500
MV14-8R/LK	054007-01419	16 - 14 AWG	8	0.31"	0.33"	0.93"	0.78"	0.030"	0.090"	0.170"	-	1000
MV14-10RK	054007-01420	16 - 14 AWG	10	0.33"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	-	1000
MV14-10R/LX	051128-58749	16 - 14 AWG	10	0.31"	0.33"	0.93"	0.78"	0.030"	0.090"	0.170"	100	500
MV14-10R/LK	054007-01421	16 - 14 AWG	10	0.31"	0.33"	0.93"	0.78"	0.030"	0.090"	0.170"	-	1000
MV14-14R/SX	051128-58750	16 - 14 AWG	1/4"	0.47"	0.40"	1.08"	0.85"	0.030"	0.090"	0.170"	100	500
MV14-14R/SK	054007-01422	16 - 14 AWG	1/4"	0.47"	0.40"	1.08"	0.85"	0.030"	0.090"	0.170"	-	1000
MV14-516R/SX	051128-58961	16 - 14 AWG	5/16"	0.47"	0.40"	1.08"	0.85"	0.030"	0.090"	0.170"	100	500
MV14-516R/SK	054007-01424	16 - 14 AWG	5/16"	0.47"	0.40"	1.08"	0.85"	0.030"	0.090"	0.170"	-	1000
MV14-38RX	051128-58751	16 - 14 AWG	3/8"	0.56"	0.40"	1.13"	0.85"	0.030"	0.090"	0.170"	100	500
MV14-38RK	054007-00546	16 - 14 AWG	3/8"	0.56"	0.40"	1.13"	0.85"	0.030"	0.090"	0.170"	-	1000

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