

## 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	24 = 26–24 (yellow)	(STUD)	F = Fork	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 = No Barrel (adapter)	20 = 26–20 (yellow)	0 = 0	FB = Fork, Block	
	I = Double Wall w/Interlock	18 = 22–18 (red)	2 = 2	FBHT = Fork, Block, High Temp.	
	N = Nylon Brazed	14 = 16–14 (blue)	4 = 4	FFB = Fork, Flanged, Block	
	NG = Nylon w/ Grip	10 = 12–10 (yellow)	6 = 6	FHT = Fork, High Temp.	
	NHU = Nylon/Butted	8 = 8 (red)	8 = 8	FL = Fork, Locking	
	w/ Heat Shrink Over Top	6 = 6 (blue)	10 = 10	R = Ring	
	NU = Nylon/Butted	4 = 4 (yellow)	12 = 1/2"	RHD = Ring, Heavy Duty	
	U = Bare/Butted		14 = 1/4"	RHT = Ring, High Temp.	
	V = Vinyl/Brazed		38 = 3/8"	/S = Short or Small	
	VA = Vinyl Adapter		516 = 5/16"	/L = Large or Long	
	VU = Vinyl/Butted		610 = 6, 8, 10	R/Flag = Ring, Flag	
			(TAB)	BC = Butt Connector	
			110 = 0.110" x 0.020"	CEC = Closed End Connector	
			110/32 = 0.110" x 0.032"	P = Pin Connector	
			187 = 0.187" x 0.020"	PC = Parallel Connector	
			250 = 0.250" x 0.032"	BCM = Butt Connector	
			375 = 0.375" x 0.050"	Moisture Resistant	
		(BULLET)	CEC/ST = Closed End Connector, Steel Insert		
		156 = 0.156" Dia.	Disconnect		
		180 = 0.180" Dia.	DF = Female		
		47 = 0.47 Pin Length	DFHT = Female, High Temp.		
		55 = 0.55 Pin Length	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		

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

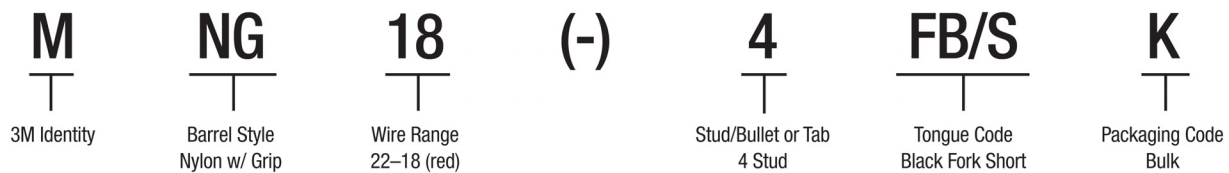
\*\* Denotes product packaging. Packaging of 3M™ Scotchlok™ terminals should be specified by using the appropriate terminal part number. Suffix letters are indicated within each product number. (See "Product Number" heading in ordering information charts.)

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)
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## 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.

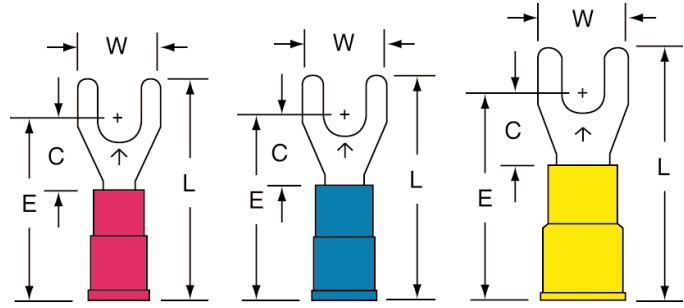
## American Wire Gauge

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

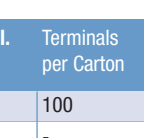
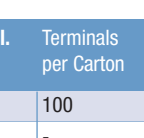
## Vinyl Insulated Brazed Seam Standard Forks

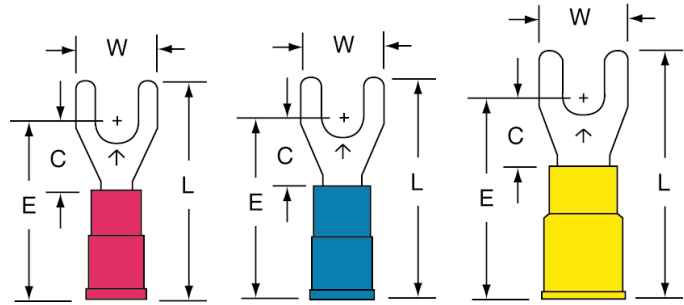
**Terminal Type** Fork  
**Terminal Style** Standard  
**Insulation Material** Vinyl  
**Barrel Style** Brazed  
**EU RoHS** Yes  
**Agency Approval**   
**Manufacturing Origin** 



Product No.	UPC	Conductor Size	Stud Size	(W)	(C)	(L)	(E)	Thickness	Barrel I.D.	Max. Insul. Dia.	Terminals per Carton	Terminals per Case
MV18-6FX	051128-58735	22 - 18 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	100	500
MV18-6FK	054007-01162	22 - 18 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	-	1000
MV18-8FX	051128-58736	22 - 18 AWG	8	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	100	500
MV18-8FK	054007-01164	22 - 18 AWG	8	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	-	1000
MV18-10FX	051128-58737	22 - 18 AWG	10	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	100	500
MV18-10FK	054007-01166	22 - 18 AWG	10	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	-	1000
MV14-6FX	051128-58738	16 - 14 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	100	500
MV14-6FK	054007-01528	16 - 14 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	-	1000
MV14-8FX	051128-58741	16 - 14 AWG	8	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	100	500
MV14-8FK	054007-01530	16 - 14 AWG	8	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	-	1000
MV14-10FX	051128-58742	16 - 14 AWG	10	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	100	500
MV14-10FK	054007-01532	16 - 14 AWG	10	0.34"	0.29"	0.90"	0.74"	0.030"	0.090"	0.170"	-	1000
MV10-6FX	051128-58761	12 - 10 AWG	6	0.38"	0.29"	1.03"	0.84"	0.040"	0.135"	0.250"	50	500
MV10-8FX	051128-58762	12 - 10 AWG	8	0.38"	0.29"	1.03"	0.84"	0.040"	0.135"	0.250"	50	500
MV10-8FK	054007-01979	12 - 10 AWG	8	0.38"	0.29"	1.03"	0.84"	0.040"	0.135"	0.250"	-	500
MV10-10FX	051128-58763	12 - 10 AWG	10	0.38"	0.29"	1.03"	0.84"	0.040"	0.135"	0.250"	50	500
MV10-10FK	054007-01980	12 - 10 AWG	10	0.38"	0.29"	1.03"	0.84"	0.040"	0.135"	0.250"	-	500

## Vinyl Insulated Butted Seam Standard Forks

**Terminal Type** Fork  
**Terminal Style** Standard  
**Insulation Material** Vinyl  
**Barrel Style** Butted  
**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
MVU18-6FK	054007-01174	22 - 18 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	-	1000
MVU18-6FX	051128-59026	22 - 18 AWG	6	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	100	500
MVU18-8FK	054007-01176	22 - 18 AWG	8	0.34"	0.29"	0.90"	0.74"	0.030"	0.070"	0.145"	-	1000

Terminals, Kits and Tools: 3M™ Scotchlok™ Standard Forks