



### #3618 DAFLEX Ultra-Flexible Silicone Rubber Cables 150°C

These Daflex Ultra Flexible Silicone Rubber Cables use a high strand count of fine tinned copper for increased conductor flexibility. Conductors and jackets are insulated with flexible extruded silicone rubber. It is designed for high temperature applications and also retains its flexibility at low temperatures. It is also designed for continuous flexing applications. Suitable for military and commercial applications where flexibility and long service life are important. Suitable for medical instruments where good flexibility and high temperature resistance are required. Silicone rubber offers superior electrical properties under severe service and environmental conditions.

**Description:** Each conductor in the cables is ultra-flexible finely stranded tinned copper covered with silicone rubber color coded insulation. The conductors are cabled and covered with a silicone rubber jacket. Shielded versions have a thin flexible 40 or 44 AWG tinned copper braid over all conductors and underneath the jacket. When shielded, 90% minimum shield coverage.

**Operating Temperature:** -40°C to +150°C.

**Operating Voltage:** 300 Volts.

Shielded versions have a **tinned copper shield with 90% minimum coverage.**

**Conductors are ultra-flexible high strand count tinned copper.**

This series is RoHS Compliant.

Daburn Item Number		# of Cond	AWG	Standing	Cond Ins. Thickness		Nominal O.D. Unshielded		Nominal O.D. Shielded	
Unshielded	Shielded				Inch	mm	Inch	mm	Inch	mm
	<b>3618SH/30-4</b>	4	<b>30</b>	25/44	.010	.254			.126	3.20
<b>3618/28-2</b>	<b>3618SH/28-2</b>	2	<b>28</b>	40/44	.010	.254	.097	2.46	.109	2.77
<b>3618/28-3</b>	<b>3618SH/28-3</b>	3	<b>28</b>	40/44	.010	.254	.105	2.67	.114	2.90
<b>3618/28-4</b>	<b>3618SH/28-4</b>	4	<b>28</b>	40/44	.010	.254	.124	3.15	.133	3.38
<b>3618/28-5</b>	<b>3618SH/28-5</b>	5	<b>28</b>	40/44	.010	.254	.135	3.43	.144	3.66
<b>3618/26-2</b>	<b>3618SH/26-2</b>	2	<b>26</b>	66/44	.010	.254	.108	2.74	.115	2.92
<b>3618/26-3</b>	<b>3618SH/26-3</b>	3	<b>26</b>	66/44	.010	.254	.115	2.92	.125	3.18
<b>3618/26-4</b>	<b>3618SH/26-4</b>	4	<b>26</b>	66/44	.010	.254	.126	3.20	.145	3.68
<b>3618/26-5</b>	<b>3618SH/26-5</b>	5	<b>26</b>	66/44	.010	.254	.148	3.76	.157	3.99
<b>3618/24-2</b>	<b>3618SH/24-2</b>	2	<b>24</b>	105/44	.010	.254	.130	3.30	.139	3.53
<b>3618/24-3</b>	<b>3618SH/24-3</b>	3	<b>24</b>	105/44	.010	.254	.137	3.48	.146	3.71
<b>3618/24-4</b>	<b>3618SH/24-4</b>	4	<b>24</b>	105/44	.010	.254	.148	3.76	.167	4.24
<b>3618/24-5</b>	<b>3618SH/24-5</b>	5	<b>24</b>	105/44	.010	.254	.172	4.37	.181	4.60



Daburn Item Number		# of Cond	AWG	Standing	Cond Ins. Thickness		Nominal O.D. Unshielded		Nominal O.D. Shielded	
Unshielded	Shielded				Inch	mm	Inch	mm	Inch	mm
3618/22-2	3618SH/22-2	2	22	168/44	.015	.381	.161	4.09	.175	4.45
3618/22-3	3618SH/22-3	3	22	168/44	.015	.381	.174	4.42	.198	5.03
3618/22-4	3618SH/22-4	4	22	168/44	.015	.381	.199	5.05	.213	5.41
3618/22-5	3618SH/22-5	5	22	168/44	.015	.381	.217	5.51	.241	6.12
3618/20-2	3618SH/20-2	2	20	259/44	.015	.381	.190	4.83	.207	5.26
3618/20-3	3618SH/20-3	3	20	259/44	.015	.381	.211	5.36	.225	5.72
3618/20-4	3618SH/20-4	4	20	259/44	.015	.381	.229	5.82	.253	6.43
3618/20-5	3618SH/20-5	5	20	259/44	.015	.381	.259	6.58	.283	7.19
3618/18-2	3618SH/18-2	2	18	413/44	.015	.381	.206	5.23	.230	5.84
3618/18-3	3618SH/18-3	3	18	413/44	.015	.381	.232	5.89	.246	6.25
3618/18-4	3618SH/18-4	4	18	413/44	.015	.381	.253	6.43	.277	7.04
3618/18-5	3618SH/18-5	5	18	413/44	.015	.381	.286	7.26	.310	7.87
3618/16-2	3618SH/16-2	2	16	665/44	.020	.508	.283	7.19	.297	7.54
3618/16-3	3618SH/16-3	3	16	665/44	.020	.508	.314	7.98	.328	8.33
3618/16-4	3618SH/16-4	4	16	665/44	.020	.508	.351	8.92	.365	9.27
3618/16-5	3618SH/16-5	5	16	665/44	.020	.508	.391	9.93	.415	10.5

**Conductor colors:** 1-White, 2-Black, 3-Red, 4-Green, 5-Yellow  
**Jacket color:** **Black.** Additional jacket colors are available. Please call.  
**Standard Put-Ups:** 100 ft, 500 ft, and 1,000 ft. Please call for other put-ups.  
 Additional constructions, # of conductors, paired conductors, etc., are available - please call or e-mail to inquire.