

968-001

27500 Type With Specialty Braid

NOTES

1. Consult factory for cable diameters exceeding 0.375 inches.
2. Number of conductors is dependent on maximum cable diameter capabilities. Consult factory for capabilities.

Table III: Jacket Type

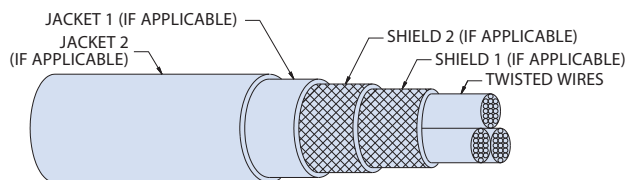
Single Jacket Code	Double Jacket Code	Jacket Material Description
00	00	No Jacket
05	55	Extruded FEP, Clear
09	59	Extruded FEP, White
10	60	Extruded PVDF, Clear
14	64	Extruded ETFE, White
15	65	Extruded ETFE, Clear
20	70	Extruded PFA, White
21	71	Extruded PFA, Clear
23	73	Extruded Xletfe, White

Table IV: Shield Covering And Wire Color Coding

Code	Description
-	85% Coverage, White Wire with Colored Stripes
A	85% Coverage, Solid Colored White
C	90% Coverage, White Wire with Colored Stripes
D	90% Coverage, Solid Colored White

HOW TO ORDER

Sample Part Number	968-001	-	22	TE	2	AR	14
Basic Part Number	968-001						
Identification Method	See Table IV						
Conductor Size	See Table I						
Basic Wire Description	See Table I						
Number Of Conductors	See Table I						
Shield Description	See Table II						
Jacket Type	See Table III						



CABLE CONSTRUCTION EXAMPLE

Table I: Basic Wire Type

Code	Wire Type	AWG	# Of Conductors
TE	M22759/16 or GS22759-16	8 to 24	1,2,3,4,5
TF	M22759/17 or GS22759-17	20 to 26	1,2,3,4,5
TG	M22759/18 or GS22759-18	10 to 26	1,2,3,4,5
TH	M22759/19 or GS22759-19	20 to 26	1,2,3,4,5
SB	M22759/32 or GS22759-32	12 to 30	1,2,3,4,5
SC	M22759/33 or GS22759-33	20 to 30	1,2,3,4,5
SD	M22759/34 or GS22759-34	8 to 24	1,2,3,4,5
SE	M22759/35 or GS22759-35	20 to 26	1,2,3,4,5
SM	M22759/41 or GS22759-41	8 to 26	1,2,3,4,5
SN	M22759/42 or GS22759-42	20 to 26	1,2,3,4,5
SP	M22759/43 or GS22759-43	8 to 26	1,2,3,4,5
SR	M22759/44 or GS22759-44	12 to 28	1,2,3,4,5
SS	M22759/45 or GS22759-45	12 to 28	1,2,3,4,5
ST	M22759/46 or GS22759-46	20 to 28	1,2,3,4,5

Table II: Shield Type

Single Shield Code	Double Shield Code	Shield Description
AM	AS	AmberStrand®, Round
AR	AL	ArmorLite™, Round
AC	AF	ArmorLite™ CF, Round
U	U	Unshielded

Weight savings analysis: machine-braided GS27500 wire with standard Nickel overbraid versus ArmorLite or AmberStrand overbraid

Weight Savings: Machine-braided 2-conductor wire with standard Nickel shielding versus ArmorLite and AmberStrand (calculated weight)										
Conductor wire gauge (AWG)	GS27500 wire, Nickel-Coated copper overbraided shielding		968-001 GS27500 wire, ArmorLite overbraided shielding		968-001 GS27500 wire, ArmorLite CF overbraided shielding		Armorlite Weight savings	968-001 GS27500 wire, AmberStrand overbraided shielding		AmberStrand Weight savings
	Part Number	Weight (lbs/1000 ft)	Part Number	Weight (lbs/1000 ft)	Part Number	Weight (lbs/1000 ft)		Part Number	Weight (lbs/1000 ft)	
#26	GS27500-26SS2N23	8.48	968-001-26SS2AR23	6.19	968-001-26SS2AC23	6.19	-27%	968-001-26SS2AM23	5.93	-30%
#24	GS27500-24SS2N23	10.38	968-001-24SS2AR23	7.83	968-001-24SS2AC23	7.83	-25%	968-001-24SS2AM23	7.52	-28%
#20	GS27500-20SS2N23	16.8	968-001-20SS2AR23	13.6	968-001-20SS2AC23	13.6	-19%	968-001-20SS2AM23	13.15	-22%
#14	GS27500-14SS2N23	39.81	968-001-14SS2AR23	34.76	968-001-14SS2AC23	34.76	-13%	968-001-14SS2AM23	33.96	-15%
#12	GS27500-12SS2N23	56.49	968-001-12SS2AR23	50.51	968-001-12SS2AC23	50.51	-11%	968-001-12SS2AM23	49.53	-12%

Weight savings: Machine-braided 3-conductor wire with standard Nickel shielding versus ArmorLite and AmberStrand (calculated weight)										
Conductor wire gauge (AWG)	GS27500 wire, Nickel-Coated copper overbraided shielding		968-001 GS27500 wire, ArmorLite overbraided shielding		968-001 GS27500 wire, ArmorLite CF overbraided shielding		Armorlite Weight savings	968-001 GS27500 wire, AmberStrand overbraided shielding		AmberStrand Weight savings
	Part Number	Weight (lbs/1000 ft)	Part Number	Weight (lbs/1000 ft)	Part Number	Weight (lbs/1000 ft)		Part Number	Weight (lbs/1000 ft)	
#26	GS27500-26SS3N23	10.67	968-001-26SS3AR23	8.09	968-001-26SS3AC23	8.09	-24%	968-001-26SS3AM23	7.77	-37%
#24	GS27500-24SS3N23	13.28	968-001-24SS3AR23	10.41	968-001-24SS3AC23	10.41	-22%	968-001-24SS3AM23	10.03	-32%
#20	GS27500-20SS3N23	22.34	968-001-20SS3AR23	18.7	968-001-20SS3AC23	18.7	-16%	968-001-20SS3AM23	18.17	-23%
#14	GS27500-14SS3N23	55.61	968-001-14SS3AR23	49.3	968-001-14SS3AC23	49.3	-11%	968-001-14SS3AM23	48.34	-15%
#12	GS27500-12SS3N23	79.09	968-001-12SS3AR23	72.22	968-001-12SS3AC23	72.22	-9%	968-001-12SS3AM23	71.05	-11%