

GS27500

ANSI/NEMA WC 27500 Type Electrical Cable



HOW TO ORDER									
Sample Part Number	GS27500	-	22	TE	4	T	14-	9/96/93/95	-9
Basic Part Number	GS27500 MIL-STAR multi-conductor cable								
Shield Coverage and Wire Color Spec	See Table IV								
Conductor Size	AWG wire gauge, see Table I for available gauges 30–8								
Basic Wire Type	Codes TE, TF, TG, TH, SB, SC, SD, SE, SM, SN, SP, SR, SS, ST , see Table I								
Number Of Conductors	1, 2, 3, 4, or 5								
Shield Description	See Table II to specify metallic braided shielding								
Jacket Type	See Table III to specify overall cable jacket								
Custom Primary Wire Color Order	(If applicable)								
Custom Outer Jacket Color	(If applicable)								

NOTES

- Cable is made in accordance with ANSI/NEMA WC 27500
- Wire is made in accordance with SAE AS22759.
- Consult factory for cable diameters exceeding 0.375 Inches.
- Consult factory for Glenair signature braided shielding and additional conductor and color options.

Table I: Basic Wire Type			
Code	Wire Type	AWG (Range)	# 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
UA	M22759/51 or GS22759-51	20 to 30	1,2,3,4,5
UB	M22759/52 or GS22759-52	12 to 30	1,2,3,4,5
UC	M22759/53 or GS22759-53	20 to 30	1,2,3,4,5
UD	M22759/54 or GS22759-54	20 to 30	1,2,3,4,5

Table II - Shield Type			
Single Shield Code	Double Shield Code	Shield Description	Max. Temperature (Information Only)
T	V	Tinned Coated Copper, Round	150°C (302°F)
S	W	Silver-Coated Copper, Round	200°C (392°F)
N	Y	Nickel-coated Copper, Round	260°C (500°F)
F	Z	Stainless Steel, Round	400°C (752°F)
U	U	Unshielded	-

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MIL-STAR

Table III - Jacket Type			
Single Jacket Code	Double Jacket Code	Jacket Material Description	Max. Temperature (Information Only)
00	00	No Jacket	-
05	55	Extruded FEP, Clear	200°C (392°F)
09	59	Extruded FEP, White	200°C (392°F)
10	60	Extruded PVDF, Clear	125°C (257°F)
14	64	Extruded ETFE, White	150°C (302°F)
15	65	Extruded ETFE, Clear	150°C (302°F)
20	70	Extruded PFA, White	260°C (500°F)
21	71	Extruded PFA, Clear	260°C (500°F)
23	73	Extruded XLETPE, White	200°C (392°F)

Table IV - Shield Covering And Wire Color Coding	
Code	Description
-	85% Coverage, White Wire With Colored Stripes
F	85% Coverage, White Wire With Colored Stripes
A	85% Coverage, Solid Colored Wire
G	85% Coverage, Solid Colored Wire
U	85% Coverage, Custom Colors
C	90% Coverage, White Wire With Colored Stripes
H	90% Coverage, White Wire With Colored Stripes
D	90% Coverage, Solid Colored Wire
J	90% Coverage, Solid Colored Wire
V	90% Coverage, Custom Colors

Table V - Color Sequence Based On Number Of Wires										
Color Codes: -, A, C, D										
Wire #	1	2	3	4	5	6	7	8	9	10
Color	White	Blue	Orange	Green	Red	Black	Yellow	Violet	Gray	Brown
Color Codes: F, G, H, J (only applicable for 2 or more wires)										
Wire #	1	2	3	4	5	6	7	8	9	10
Color	Red	Blue	Yellow	Green	White	Black	Brown	Orange	Violet	Gray

Table VI - Color Code			
Color Code	Color	Color Code	Color
0	Black	90	White/Black
1	Brown	91	White/Brown
2	Red	92	White/Red
3	Orange	93	White/Orange
4	Yellow	94	White/Yellow
5	Green	95	White/Green
6	Blue	96	White/Blue
7	Violet	97	White/Violet
8	Gray	98	White/Gray
9	White	-	-