

## Applications

Single and multiconductor cables, shielded or unshielded covering mil-spec requirements for special purpose and power electrical cable. Available in a variety of configurations, defined by the specific part mil-spec part number referenced.

Part number example: **M27500A20RC3506**

Specification Number	Identification method	AWG Size	Basic Wire Specification	Number of conductors	Shield style and material	Jacket material
M27500	A	20	RC	3	S	06

## Identification methods

All ID methods are in accordance with Table IIIA, IIIC, or IIID of MIL-C-27500

"A" = solid colors (Table IIIA)

"B" = Solid colors (Table IIIC) with band markings (Table IIID)

" - " = All conductors white with stripes (Table IIIA)

## AWG size

Per individual conductor style sheets for stranding and plating

## Basic Wire Specification

EA = MIL-W-22759/1	RC = MIL-W-22759/11
E = MIL-W-22759/2	RE = MIL-W-22759/12
RA = MIL-W-22759/3	TE = MIL-W-22759/16
RB = MIL-W-22759/4	TF = MIL-W-22759/17
VA = MIL-W-22759/5	TG = MIL-W-22759/18
WA = MIL-W-22759/6	TH = MIL-W-22759/19
SA = MIL-W-22759/7	TK = MIL-W-22759/20
TA = MIL-W-22759/8	TL = MIL-W-22759/21
LE = MIL-W-22759/9	TM = MIL-W-22759/22
LH = MIL-W-22759/10	TN = MIL-W-22759/23

## Shield Style and Material

Single	Double	
C	R	Nickel clad copper
F	Z	Stainless steel
M	K	Silver plated high strength copper
N	Y	Nickel plated copper
P	L	Nickel plated high strength copper
S	W	Silver plated copper
T	V	Tin plated copper
U	U	No shield

## Number of conductors

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

## Jacket material

Single	Double	
01	51	Extruded PVC
03	53	White polyimide braid with polyimide finisher over polyester tape
04	53	Polyester braid with high temperature finish over polyester tape
05	55	Extruded clear FEP
06	56	PTFE tape wrap
07	57	White PTFE treated glass braid over pre-sintered PTFE tape
09	59	Extruded white FEP
10	60	Extruded clear PVDF
11	61	Polyimide/FEP tape with FEP outer surface
12	62	Polyimide/FEP tape with polyimide outer surface
14	64	Extruded white ETFE
15	65	Extruded clear ETFE
16	66	Aromatic polyimide braid with high temperature finish over pre-sintered PTFE tape
17	67	Extruded white ECTFE
18	68	Extruded clear ECTFE
20	70	Extruded white PFA
21	71	Extruded clear PFA
00	00	No jacket

Similar mil-spec constructions available (call factory for details)

MIL-C7078, MIL-27072, MIL-47206, MIL-13929, MPD-1507