CHARACTER:

1.Physical performance

a、 excellent mechanical properties:

Tensile strength≥12.4MPa，elongation at break≥100%

After aging：

Condition：136±1.0℃/ 96H

Tensile strength residual rate≥25% elongation at break≥25%

b、Flame retardancy：VW-1, vertical combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

c、Low temperature bending：-55℃±2℃/4H ,no crack on the surface of the sample is qualified

2. Electrical performance

a、rated temperature：105℃ rated voltage：600V

b、Spark test：When passing through the test electrode, no breakdown occurs. Spark test voltage is 2.0KV

c、dielectric withstand voltage：3.4KV, 60 seconds without breakdown

3.Processing properties

a、Use cold extrusion processing

b、Or use the high temperature vulcanization process

c、Good processing properties Harness

d、Harness processing process good compatibility

4.Environmental protection

a、ROHS/REACH compliant

b、Inodorous Atoxic

SHOULD BE USED:

For national defence application

REFERENCE:

MIL-DTL-16878/36A(NAVY) 11 September 1992

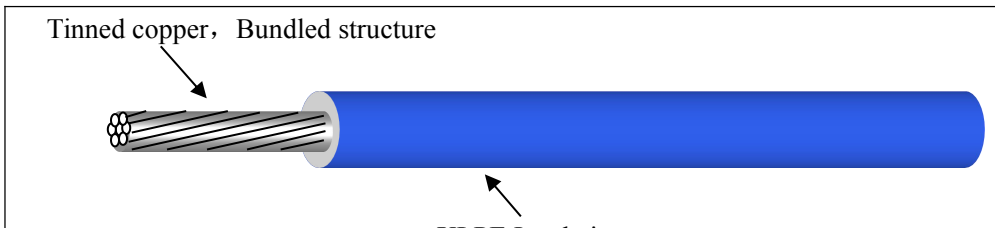
Outline:

包装

*PACKAGE			
Part No.	Packing- Ft/roll		
14~16AWG	☐ 500Ft	■ 1000Ft	☐ 2000Ft
18-32AWG	☐ 500Ft	☐ 1000Ft	■ 2000Ft
According to customer requirements for packaging packaging			

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET



For national defence application

MIL-DTL-16878/36A(NAVY)

Wire structure description:

Conductor: Tinned copper

Insulation materials: XLPE Insulation

For national defence application

Rated temperature:105℃ Rated voltage：600V

STYLE	stan dard AWG	Conductor size (No./ mm) ±0.005mm	Conductor		Conductor Dia.(mm)	insulation thickness (mm)	Overall diameter (mm)	
			Material	Coating			Min.	Max.
M16878/36BAA*	32	1/0.203	Copper	Tin	0.203	0.25	0.610	0.762
M16878/36BAB*	32	7/0.079	Copper	Tin	0.254	0.25	0.660	0.813
M16878/36BBA*	30	1/0.254	Copper	Tin	0.254	0.25	0.660	0.813
M16878/36BBB*	30	7/0.102	Copper	Tin	0.305	0.25	0.660	0.864
M16878/36BCA*	28	1/0.320	Copper	Tin	0.320	0.25	0.711	0.889
M16878/36BCB*	28	7/0.127	Copper	Tin	0.380	0.25	0.737	0.940
M16878/36BDA*	26	1/0.404	Copper	Tin	0.404	0.25	0.787	0.965
M16878/36BDB*	26	7/0.160	Copper	Tin	0.483	0.25	0.813	1.041
M16878/36BDE*	26	19/0.102	Copper	Tin	0.533	0.25	0.889	1.041
M16878/36BEA*	24	1/0.511	Copper	Tin	0.511	0.25	0.889	1.092
M16878/36BEB*	24	7/0.203	Copper	Tin	0.610	0.25	0.914	1.194
M16878/36BEE*	24	19/0.127	Copper	Tin	0.660	0.25	1.016	1.194
M16878/36BFA*	22	1/0.643	Copper	Tin	0.643	0.25	1.041	1.219
M16878/36BFB*	22	7/0.254	Copper	Tin	0.762	0.25	1.168	1.346
M16878/36BFE*	22	19/0.16	Copper	Tin	0.813	0.25	1.168	1.346
M16878/36BGA*	20	1/0.813	Copper	Tin	0.813	0.25	1.219	1.397
M16878/36BGB*	20	7/0.320	Copper	Tin	0.965	0.25	1.372	1.549
M16878/36BGE*	20	19/0.203	Copper	Tin	1.041	0.25	1.372	1.549
M16878/36BHA*	18	1/1.020	Copper	Tin	1.024	0.25	1.422	1.600
M16878/36BHB*	18	7/0.404	Copper	Tin	1.245	0.25	1.651	1.829
M16878/36BHE*	18	19/0.254	Copper	Tin	1.295	0.25	1.651	1.829
M16878/36BJA*	16	1/1.290	Copper	Tin	1.290	0.25	1.702	1.905
M16878/36BJE*	16	19/0.287	Copper	Tin	1.499	0.25	1.905	2.108
M16878/36BKA*	14	1/1.630	Copper	Tin	1.628	0.25	2.032	2.235
M16878/36BKE*	14	19/0.361	Copper	Tin	1.829	0.25	2.235	2.438

Marking：NO MARKING