Harbour
INDUSTRIES
High Performance Wire & Cable

SAE AS 22759 REFERENCE GUIDE

Style	AWG sizes	Conductor	Voltage	Temp °C	WC27500	Dielectric material
22759/5	24-4	SPC	600	200°	VA	Extruded Mineral filled PTFE
22759/6	24-4	NPC	600	260°	WA	Extruded Mineral filled PTFE
22759/7	24-4	SPC	600	200°	SA	Extruded Mineral filled PTFE
22759/8	24-4	NPC	600	260°	TA	Extruded Mineral filled PTFE
22759/9	28-12	SPC	1000	200°	LE	Extruded PTFE
22759/10	28-12	NPC	1000	260°	LH	Extruded PTFE
22759/11	28-8	SPC	600	200°	RC	Extruded PTFE
22759/12	28-8	NPC	600	260°	RE	Extruded PTFE
22759/20	28-20	SPA	1000	200°	TK	Extruded PTFE
22759/21	28-20	NPA	1000	260°	TL	Extruded PTFE
22759/22	28-20	SPA	600	200°	TM	Extruded PTFE
22759/23	28-20	NPA	600	260°	TN	Extruded PTFE
22759/16	24-2/0	TPC	600	150°	TE	Extruded ETFE
22759/17	26-20	SPA	600	150°	TF	Extruded ETFE
22759/18	26-10	TPC	600	150°	TG	Extruded ETFE
22759/19	26-20	SPA	600	150°	TH	Extruded ETFE

***Above constructions are those currently manufactured by Harbour Industries**

SAE-AS22759 Mineral Filled PTFE

Replaces MIL-W-22759/5, /6, /7, /8

Construction
Stranded silver or nickel plated conductor
Extruded mineral filled Polytetrafluoroethylene (PTFE)

Ratings/Approvals
Printed in accordance with SAE-AS22759
600 Volts

	AS22759/5		AS22759/6		AS22759/7		AS22759/8	
Temperature (° C)	200°C		260°C		200°C		260°C	
Conductor Type	SPC		NPC		SPC		NPC	
AWG/Stranding	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**
24 19/36	26/.075"	7	26/.075"	7	19/.062"	4	19/.062"	4
22 19/34	28/.085"	8	28/.085"	8	22/.073"	6	22/.073"	6
20 19/32	29/.095"	10	29/.095"	10	22/.082"	8	22/.082"	8
18 19/30	31/.110"	14	31/.110"	14	22/.092"	11	22/.092"	11
16 19/29	36/.125"	18	36/.125"	18	24/.102"	14	24/.102"	14
14 19/27	38/.143"	25	38/.143"	25	23/.115"	19	23/.115"	19
12 19/25	38/.160"	33	38/.160"	33	24/.134"	28	24/.134"	28
10 37/26	35/.179"	42	35/.179"	42	25/.158"	40	25/.158"	40
8 133/29	40/.248"	81	40/.248"	81	30/.220"	71	25/.220"	71
6 133/27					30/.270"	108	30/.270"	108
4 133/25	42/.370"	180	42/.370"	180	35/.328"	169	35/.328"	169

	DC Resistance Ohms/mft	
AWG/Stranding		
Conductor Type	SPC	NPC
24 19/36	24.3	25.9
22 19/34	15.1	16.0
20 19/32	9.2	9.8
18 19/30	5.8	6.1
16 19/29	4.5	4.8
14 19/27	2.9	3.0
12 19/25	1.8	1.9
10 37/26	1.2	1.2
8 133/29		
6 133/27		

Additional constructions available - check with the factory for details
All figures referenced are nominal

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SAE-AS22759 Extruded PTFE

Replaces MIL-W-22759/9, /10, /11, /12

Construction
Stranded silver or nickel plated copper
Extruded Polytetrafluoroethylene (PTFE)

Ratings/Approvals
Printed in accordance with SAE-AS22759

	AS22759/9		AS22759/10		AS22759/11		AS22759/12	
Voltage Rating	1000		1000		600		600	
Temperature (° C)	200°C		260°C		200°C		260°C	
Conductor Type	SPC		NPC		SPC		NPC	
AWG/Stranding	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**
28 7/36	14/.043"	2	14/.043"	2	9/.033"	2	9/.033"	2
26 19/38	15/.048"	3	14/.048"	3	10/.038"	2	10/.038"	2
24 19/36	15/.053"	4	14/.053"	4	10/.043"	3	10/.043"	3
22 19/34	15/.060"	5	15/.060"	5	9/.049"	4	9/.049"	4
20 19/32	15/.068"	7	15/.068"	7	10/.058"	6	10/.058"	6
18 19/30	15/.078"	9	15/.078"	9	10/.068"	8	10/.068"	8
16 19/29	15/.085"	11	15/.085"	10	10/.075"	10	10/.075"	10
14 19/27	16/.100"	17	16/.100"	17	11/.090"	15	11/.090"	15
12 19/25	17/.120"	24	17/.120"	24	13/.111"	23	13/.111"	23
10 37/26	-		-		15/.139"	35	15/.139"	35
8 133/29	-		-		19/.204"	66	19/.204"	66

	DC Resistance Ohms/mft	
AWG/Stranding		
Conductor Type	SPC	NPC
28 7/36	63.8	67.9
26 19/38	38.4	42.2
24 19/36	24.3	25.9
22 19/34	15.1	16.0
20 19/32	9.2	9.8
18 19/30	5.8	6.1
16 19/29	4.5	4.8
14 19/27	2.9	3.0
12 19/25	1.8	1.9
10 37/26	1.2	1.2
8 133/29	0.7	0.7

Additional constructions available - check with the factory for details
All figures referenced are nominal

SAE-AS22759 Extruded ETFE

Replaces MIL-W-22759/16, /17, /18, /19

Construction

Stranded tin plated copper or silver plated high strength alloy
Extruded ETFE

Ratings/Approvals

Printed in accordance with SAE-AS22759
150° C 600 Volts

	AS22759/16		AS22759/17		AS22759/18		AS22759/19	
Conductor Type	TPC		SPA		TPC		SPA	
AWG/Stranding	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**
26 19/38	-		11/.040"	2	7/.032"	2	6/.032"	2
24 19/36	15/.053"	3	11/.045"	3	7/.036"	2	6/.036"	2
22 19/34	15/.060"	4	11/.052"	4	7/.043"	3	6/.043"	3
20 19/32	15/.068"	5	11/.060"	5	7/.051"	5	6/.051"	5
18 19/30	12/.071"	8	-		7/.061"	6	-	
16 19/29	13/.079"	10	-		9/.070"	8	-	
14 19/27	13/.093"	15	-		9/.085"	14	-	
12 37/28	14/.114"	22	-		11/.107"	21	-	
10 37/26	15/.139"	33	-		13/.134"	33	-	
8 133/29	18/.199"	62	-		-		-	
6 133/27	23/.250"	97	-		-		-	
4 133/25	27/.312"	150	-		-		-	
2 665/30	29/.388"	250	-		-		-	
1 817/30	31/.431"	300	-		-		-	
0 1045/30	32/.479"	370	-		-		-	
00 1330/30	44/.546"	480	-		-		-	

	DC Resistance Ohms/mft	
AWG/Stranding		
Conductor Type	TPC	SPA
26 19/38	41.3	44.8
24 19/36	26.2	28.4
22 19/34	16.2	17.5
20 19/32	9.9	10.7
18 19/30	6.2	-
16 19/29	4.8	-
14 19/27	3.1	-
12 37/28	2.0	-
10 37/26	1.3	-
8 133/29	0.7	-
6 133/27	0.4	-
4 133/25	0.3	-
2 665/30	0.2	-
1 817/30	0.16	-
0 1045/30	0.12	-
00 1330/30	0.09	-

Additional constructions available - check with the factory for details
All figures referenced are nominal

SAE-AS22759 Extruded PTFE

Replaces MIL-W-22759/20, /21, /22, /23

Construction
Stranded silver or nickel high strength alloy
Extruded Polytetrafluoroethylene (PTFE)

Ratings/Approvals
Printed in accordance with SAE-AS22759

	AS22759/20		AS22759/21		AS22759/22		AS22759/23	
Voltage Rating	1000		1000		600		600	
Temperature (° C)	200°C		260°C		200°C		260°C	
Conductor Type	SPA		NPA		SPA		NPA	
AWG/Stranding	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**	**Mils/OD**	**lbs/mft**
28 7/36	15/.043"	4	15/.043"	4	10/.033"	3	10/.033"	3
26 19/38	15/.048"	4	15/.048"	4	10/.038"	3	10/.038"	3
24 19/36	15/.053"	4	15/.053"	4	10/.043"	3	10/.043"	3
22 19/34	15/.060"	5	15/.060"	5	10/.049"	4	10/.049"	4
20 19/32	15/.068"	6	15/.068"	6	10/.058"	6	10/.058"	6

	DC Resistance Ohms/mft	
AWG/Stranding		
Conductor Type	SPC	NPC
28 7/36	63.8	67.9
26 19/38	38.4	42.2
24 19/36	24.3	25.9
22 19/34	15.1	16.0
20 19/32	9.2	9.8

Additional constructions available - check with the factory for details
All figures referenced are nominal