

WIRE, HIGH FLEXABILITY NPC OR SPC CONDUCTOR WITH MODIFIED PFA
(PERFLUOROALKOXY COPOLYMER) INSULATION, 1000 VOLT

PART NUMBER SUB FOR [X] AND [C]	AWG	STRANDING		CONDUCTOR PLATING OPTIONS (SILVER OR NICKEL) SUB FOR [X]		CONDUCTOR DIAMETER (NOM.) INCHES	FINISHED WIRE DIAMETER (NOM.) INCHES
		COUNT	/ AWG	SUB "S" FOR SPC	SUB "N" FOR NPC		
SPFA200 - 24 X - 105 - C	24	105	/ 44	S	N	.025	.053
SPFA200 - 22 X - 154 - C	22	154	/ 44	S	N	.031	.061
SPFA200 - 20 X - 154 - C	20	154	/ 42	S	N	.040	.072
SPFA200 - 18 X - 259 - C	18	259	/ 42	S	N	.050	.082
* SPFA200 - 18 X - 65 - C	18	65	/ 36	S	N	.050	.082
SPFA200 - 16 X - 105 - C	16	105	/ 36	S	N	.064	.096
* SPFA200 - 16 X - 259 - C	16	259	/ 40	S	N	.064	.096
SPFA200 - 14 X - 168 - C	14	168	/ 36	S	N	.082	.116
* SPFA200 - 14 X - 665 - C	14	665	/ 42	S	N	.082	.116
SPFA200 - 12 X - 259 - C	12	259	/ 36	S	N	.101	.137
* SPFA200 - 12 X - 665 - C	12	665	/ 40	S	N	.101	.137
SPFA200 - 10 X - 413 - C	10	413	/ 36	S	N	.133	.171
* SPFA200 - 10 X - 665 - C	10	665	/ 38	S	N	.133	.171
SPFA200 - 8 X - 665 - C	8	665	/ 36	S	N	.165	.205
* SPFA200 - 8 X - 133 - C	8	133	/ 27	S	N	.165	.205
SPFA200 - 6 X - 1045 - C	6	1045	/ 36	S	N	.200	.242
SPFA200 - 4 X - 1665 - C	4	1665	/ 36	S	N	.275	.323
SPFA200 - 2 X - 1665 - C	2	1665	/ 34	S	N	.335	.387
SPFA200 - 1 X - 3332 - C	1	3332	/ 36	S	N	.385	.441
SPFA200 - 01 X - 2646 - C	0	2646	/ 34	S	N	.450	.510
SPFA200 - 01 X - 4214 - C	0	4214	/ 36	S	N	.450	.510
SPFA200 - 02 X - 5292 - C	00	5292	/ 36	S	N	.500	.564
SPFA200 - 03 X - 6783 - C	000	6783	/ 36	S	N	.557	.626

PART NUMBER BREAK-OUT							
PRODUCT TYPE	-	AWG	PLATING	-	STRAND COUNT	-	COLOR
SPFA200	-	22	N	-	66	-	3

REV	DATE	BY	NOTES		THIS DRAWING IS THE PROPERTY OF SILVER STATE WIRE & CABLE AND SHALL NOT BE REPRODUCED, COPIED, OR USED AS THE BASES FOR THE MANUFACTURE OR SALE OF THIS DESIGN WITH OUT THE WRITTEN PERMISSION OF SILVER STATE WIRE & CABLE
			REV	DATE	
-	5/3/2018	JEL		NEW RELEASE	PAGE: 1 OF 2
A	4/5/2022	JEL		ECO 4522	
					APPROVED BY: D. MILLER
					DRAWN BY: J. LEE
					DRAWING NO: SPFA200



50 E GREG ST, SPARKS NV 89431
PH: 775-356-8969 FAX: 775-356-3948
WWW.SILVERSTATEWIRE.COM
CAGE: 01CV1

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D

D

C

C

B

B

A

A

PART NUMBER EXAMPLE:	
SPFA200-20N-154-0	
CONDUCTOR TYPE: NICKEL-PLATED COPPER	
AWG SIZE: 20	
AWG SIZE: 20 AWG	
INSULATION COLOR = BLACK (No printing)	


PRINTING: WHITE OR YELLOW WIRE HAS THE OPTION OF ADDED PRINTING. UPON REQUEST.

COLOR CODE [C]	
0	BLACK
1	BROWN
2	RED
3	ORANGE
6	BLUE
7	VIOLET
8	GREY
9	WHITE

Continuous duty current (Amperes) two or more
Wires in bundles, group or harnesses, at temperatures not to exceed 200°C.

CURRENT CARRYING CAPACITY (REF ONLY)	
28 AWG	3
24 AWG	5
22 AWG	6
20 AWG	9
18 AWG	12
16 AWG	14
14 AWG	18
12 AWG	25
10 AWG	32
8 AWG	71
6 AWG	97
4 AWG	133
2 AWG	179
1 AWG	210
1/0 AWG	243
2/0 AWG	285
3/0 AWG	335

PERFORMANCE	
VOLTAGE	1,000 VOLTS (RMS) AT SEA LEVEL
TEMPERATURE (AG PLATED CU)	OPERATING TEMP UP TO 200 DEG C
TEMPERATURE (NI PLATED CU)	OPERATING TEMP UP TO 260 DEG C
INSULATION TENSILE STRENGTH	2,000 LBS. FORCE PSI (MINIMUM)
DIELECTRIC WITHSTANDING VOLTAGE	3,000 VOLTS (RMS) AT SEA LEVEL
SPARK TEST	5.0 kV
FLAMMABILITY RATING	MEETS VW-1 FLAME TEST
COLOR	REFER TO COLOR CODE CHART
CONCENTRICITY:	70% (MINIMUM)
WRAP TEST:	290 +/- 2 DEGREES C FOR 2 HOURS

REVISIONS	REV	DATE	BY	NOTES	THIS DRAWING IS THE PROPERTY OF SILVER STATE WIRE & CABLE AND SHALL NOT BE REPRODUCED, COPIED, OR USED AS THE BASES FOR THE MANUFACTURE OR SALE OF THIS DESIGN WITH OUT THE WRITTEN PERMISSION OF SILVER STATE WIRE & CABLE PAGE: 2 OF 2 APPROVED BY: D. MILLER DRAWN BY: J. LEE DRAWING NO: SPFA200	 50 E GREG ST, SPARKS NV 89431 PH: 775-356-8969 FAX: 775-356-3948 WWW.SILVERSTATEWIRE.COM CAGE: 01CV1
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