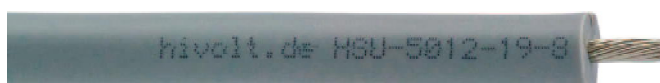


HSU SERIES – UNSHIELDED SILICONE HIGH VOLTAGE / HIGH TEMPERATURE APPLIANCE WIRE 10KV_{DC} - 50KV_{DC} - AWM STYLE 3239 – INTERNAL USE

FEATURES

- 24 AWG - 10 AWG Conductors
- Conductor Construction: Tinned Copper
- Operating Temperature -50°C - +150°C
- High Flexibility
- Ozone and Corona resistant
- Meets VW-1 Flame Test
- Made in Germany
- RoHS compliant



TYPICAL APPLICATIONS

- Internal High Voltage Wiring
- Laser Power Supplies
- CRT / Video Displays

CONDUCTOR				RATED VOLTAGE [kV _{DC}]					
				10		30		50	
SIZE [AWG]	STRANDS [n/AWG]	AREA [mm ²]	WEIGHT [kg/km]	OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]	OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]	OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]
24	19/36	0.24	2.3	2.81-3.16	10.3	3.91-4.42	18.5	5.91-6.52	39.4
22	7/30	0.36	3.4	2.78-3.19	11.3	4.04-4.56	20.5	6.04-6.66	41.9
20	7/28	0.56	5.4	2.96-3.38	14.0	4.22-4.75	23.6	6.22-6.85	45.8
	19/32	0.62	5.7	3.01-3.43	14.8	4.27-4.8	24.5	6.27-6.99	46.9
18	19/30	0.96	9.3	3.27-3.71	19.1	4.53-5.07	29.5	6.53-7.17	52.9
16	41/32	1.33	12.8	3.6-4.05	23.9	-	-	-	-
	19/29	1.35	13.0	3.5-3.95	23.7	4.76-5.31	34.7	6.76-7.41	59.0
	26/32	0.84	13.0	-	-	-	-	6.86-7.52	60.3
	30/30	1.52	14.4	3.57-4.02	25.7	-	-	-	-
14	41/30	2.08	19.9	-	-	5.27-5.85	44.9	7.27-7.95	71.5
12	65/30	3.31	31.5	4.39-4.88	45.8	5.65-6.25	59.0	7.65-8.35	86.9
	19/24	3.88	37.2	4.59-5.09	53.0	5.85-6.46	66.7	7.85-8.56	95.4
10	84/29.5	5.94	57.0	5.6-6.09	77.5	-	-	-	-
	37/27	5.88	57.6	-	-	6.19-6.81	88.0	8.49-9.23	122
Test Voltage (Spark Test) [kV _{AC}]				10		20		30	

These cables have been spark tested according to UL758 during production. It is recommended to derate the operating voltage for continuous operation. The user has to ensure by adequate tests that the cable is suitable for his application.

ORDERING INFORMATION (Ordering example for part number: HSU-1012-65-2)

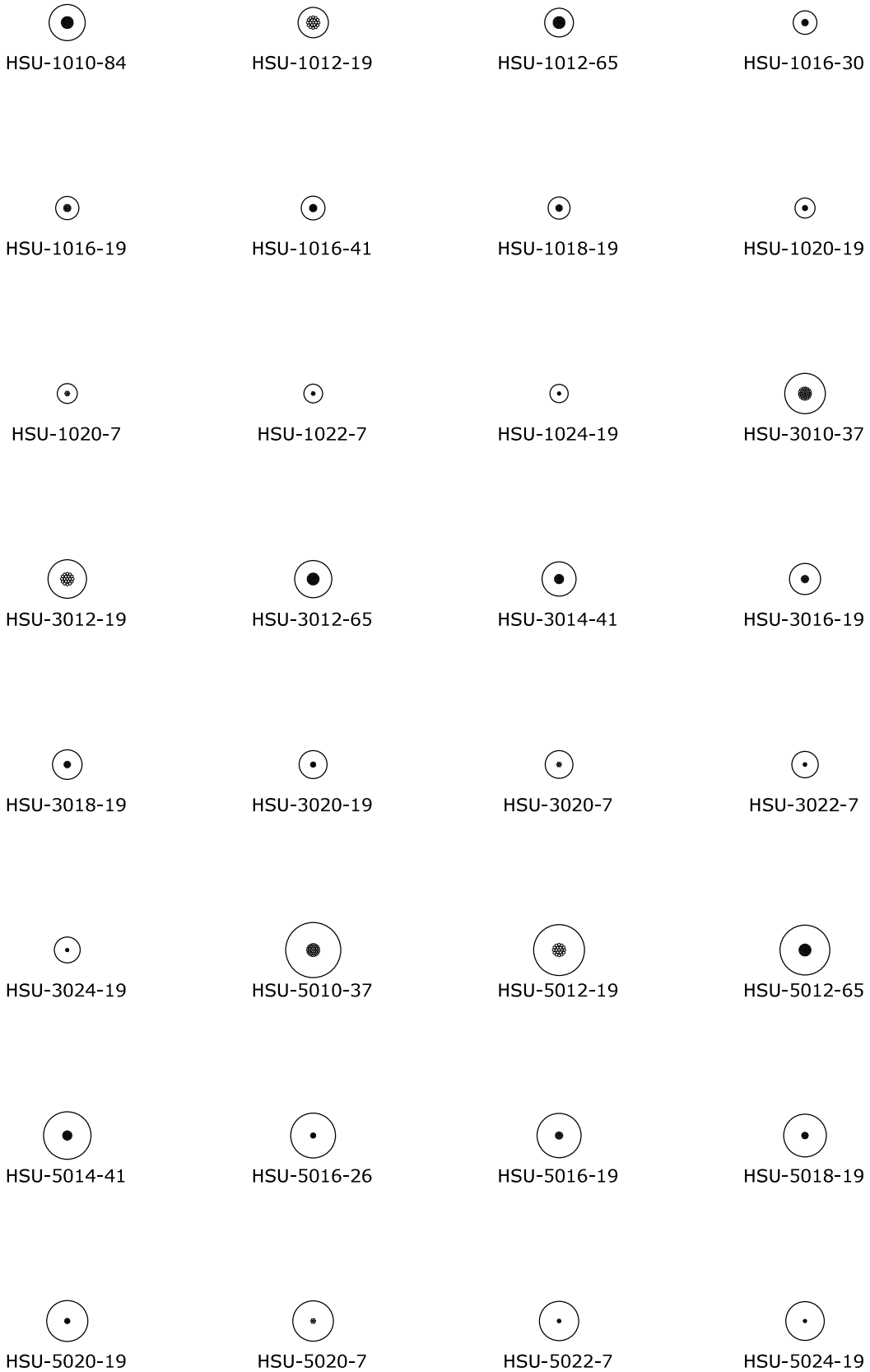
HSU	-	10	-	12	-	65	-	2
Base Part Designation		Voltage Rating [kV _{DC}]		Conductor Size [AWG]		No. of Strands		Color Code

COLOR CODE

0 black	1 brown	2 red	3 orange	4 yellow	5 green
6 blue	7 violet	8 grey	9 white	10 natural	

Preferred colors shown in **bold**. Minimum order quantities may apply. Different conductor constructions and plating for use up to 200°C available on request. 20kV, 40kV and 60kV rated types are currently being prepared.

■ HSU SERIES CROSS SECTION VIEWS



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