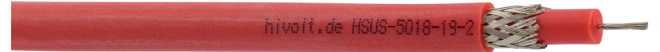
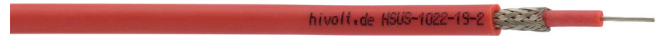


## SHIELDED SILICONE HIGH VOLTAGE / HIGH TEMPERATURE APPLIANCE WIRE 10kV<sub>DC</sub> - 30kV<sub>DC</sub> - AWM Style 3239 - INTERNAL USE

### FEATURES

- 22 AWG - 10 AWG Conductors
- Conductor Construction: Tinned Copper
- Shield Construction: Tinned Copper Braid
- Operating Temperature: -50°C - +150°C
- High Flexibility
- Ozone and Corona Resistant
- Meets VW-1 Flame Test
- Made in Germany
- RoHS Compliant



### TYPICAL APPLICATIONS

- Signal Transmission
- HV Measurement
- Laser Power Supplies

### SPECIFICATIONS

Operating Temperature: -50°C - +150°C  
Min. Bend Radius (fixed): 7.5 \* Outer Diameter

### TYPE OVERVIEW

CONDUCTOR			RATED VOLTAGE [kV <sub>DC</sub> ]								
			10			20			30		
SIZE [AWG]	STRANDS [n/AWG]	AREA [mm <sup>2</sup> ]	DIELECTRIC DIAMETER [mm]	NOM. OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]	DIELECTRIC DIAMETER [mm]	NOM. OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]	DIELECTRIC DIAMETER [mm]	NOM. OUTER DIAMETER [mm]	TOTAL WEIGHT [kg/km]
22	19/34	0.38	3.1	5.6	43.7	-	-	-	-	-	-
20	19/32	0.62	-	-	-	3.9	6.9	65	4.5	7.5	77.5
18	19/30	0.96	3.5	6.4	59.3	-	-	-	4.8	7.7	83.7
16	19/29	1.35	-	-	-	4.4	7.4	80	5.0	8.0	91.3
	41/32	1.33	3.9	6.8	68	-	-	-	-	-	-
14	41/30	2.08	-	-	-	-	-	-	5.5	8.5	106.7
12	19/24	3.88	-	-	-	-	-	-	6.1	9.1	133.2
	61/29	3.92	4.6	7.6	98.9	5.3	8.3	111	5.9	8.9	124.7
10	84/29	5.94	5.7	8.7	142.5	6.1	9.1	150	-	-	-
Test Voltage (Spark Test) [kV <sub>AC</sub> ]			10			15			20		
Test Voltage (Cond./Braid 60s) [kV <sub>DC</sub> ]			21			41			61		

AWG12-65 stranding will gradually be changed to AWG12-61 stranding.

## ORDERING INFORMATION

Ordering example for part number: **HSUS-1012-61-2**

<b>HSUS</b>	-	<b>10</b>	-	<b>12</b>	-	<b>61</b>	-	<b>2</b>
Base Part Designation		Voltage Rating [kV <sub>DC</sub> ]		Conductor Size [AWG]		No. of Strands		Color Code

## COLOR CODE

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

Preferred voltages, conductor sizes and colors shown in **bold**. Minimum order quantities may apply. Other conductor strandings on request.

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.

## HSUS SERIES CROSS SECTION VIEWS

