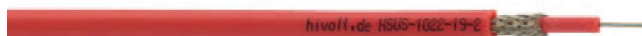


HSUS SERIES – SHIELDED SILICONE HIGH VOLTAGE / HIGH TEMPERATURE APPLIANCE WIRE 10KV_{DC} – 50KV_{DC} – AWM STYLE 3239

FEATURES

- 24 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

CONDUCTOR			RATED VOLTAGE [kV _{DC}]					
			10		30		50	
Size [AWG]	Strands [n/AWG]	Area [mm ²]	Nom. Outer Diameter [mm]	Total Weight [kg/km]	Nom. Outer Diameter [mm]	Total Weight [kg/km]	Nom. Outer Diameter [mm]	Total Weight [kg/km]
24	19/36	0.24	5.8	44.1	7.1	66.6	9.1	96.8
22	7/30	0.36	6.1	48.5	7.2	67.3	9.2	110.1
20	19/32	0.62	6.2	52.6	7.5	77.5	9.5	116.7
18	19/30	0.96	6.4	59.3	7.7	83.7	9.7	126.6
16	19/29	1.35	6.6	65.0	8.0	91.3	10.0	136.1
14	41/30	2.08	-	-	8.5	106.7	10.5	151.8
	65/30	3.29	7.6	98.9	8.9	124.7	10.9	172.0
12	19/24	3.88	7.8	117.2	9.1	133.2	11.1	181.9
	84/29.5	5.94	8.7	142.5	-	-	-	-
Test Voltage (Spark Test) [kV_{AC}]			10		20		30	
Test Voltage (Cond./Braid 60s) [kV_{DC}]			21		61		101	

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: **HSUS-1012-65-2**

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

20kV, 40kV and 60kV rated types are currently being prepared.

■ HSUS SERIES CROSS SECTION VIEWS



HSUS-1010-84



HSUS-1012-19



HSUS-1012-65



HSUS-1016-19



HSUS-1018-19



HSUS-1020-19



HSUS-1022-3



HSUS-1024-19



HSUS-7012-19



HSUS-7012-65



HSUS-7014-41



HSUS-7016-19



HSUS-7018-19



HSUS-7020-19



HSUS-7022-3



HSUS-7024-19



HSUS-5012-19



HSUS-5012-65



HSUS-5014-41



HSUS-5016-19



HSUS-5018-19



HSUS-5020-19



HSUS-5022-3



HSUS-5024-19