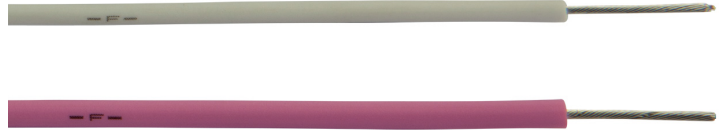


## UNSHIELDED XLPE HIGH VOLTAGE / HIGH TEMPERATURE APPLIANCE WIRE 3kV<sub>DC</sub> / 6kV<sub>DC</sub> / 10kV<sub>DC</sub> – AWM STYLE 3239 – INTERNAL USE

### FEATURES

- 24 AWG Conductors
- High Flexibility
- High Cut-Through Strength
- Small Diameter
- Operating Temperature up to 105°C
- Meets UL VW-1 Flame Test
- RoHS compliant



### TYPICAL APPLICATIONS

- Internal high voltage wiring
- Applications requiring high flexibility and small diameter

### SPECIFICATIONS

Rated Voltage:	3kV <sub>DC</sub> , 6kV <sub>DC</sub> , 10kV <sub>DC</sub> models
Operating Temperature:	max. +105°C
Insulation Resistance:	min. 1GΩ*km at 20°C
Conductor:	Stranded wire of tinned annealed copper
Insulation Material:	XLPE, free of Pb, Hg, Cd, Cr, PVC and flame retardants PBDE or PBB
Heat Resistance:	The insulation ist cross-linked by irradiation and stable thermally

### TYPE OVERVIEW

TYPE	RATED VOLTAGE [kV <sub>DC</sub> ]	SIZE [AWG]	STRANDS [n/AWG]	CONDUCTOR DIAMETER [mm]	CONDUCTOR RESISTANCE [Ω/km]	OUTER DIAMETER [mm]
HXW-03-24-*	3	24	19/36	0.64	≤ 83.3	1.60
HXW-06-24-*	6	24	19/36	0.64	≤ 83.3	1.74
HXW-10-24-*	10	24	19/36	0.64	≤ 83.3	1.90

\* Color code (see table below)

Max. conductor resistance specified at 20°C

### ORDERING INFORMATION

(Ordering example for part number: HXW-10-24-12)

HXW	-	10	-	24	-	12
Base Part Designation		Voltage Rating [kV <sub>DC</sub> ]		Conductor Size [AWG]		Color Code

### COLOR CODE

6 - blue
8 - grey
9 - white
12 - pink

Minimum order quantities may apply.

## ▪ HXW SERIES CROSS SECTION VIEWS



HXW-03-24-X



HXW-06-24-X



HXW-10-24-X

### **Disclaimer**

The information given in this data sheet is technical data, not assured product characteristics. It has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. The user has to ensure by adequate tests that the product is suitable for his application regarding safety and technical aspects. hivolt.de GmbH & Co. KG does not assume any liability arising out of the application or use of any product described.

### **Safety Advice**

Design, installation and inspection of machinery and devices carrying high voltage require accordingly trained and qualified personnel. Appropriate safety rules and directives must be complied with.

Improper handling of high voltage can mean severe injuries or death and may cause serious collateral damage!