

UNSHIELDED XLPE HIGH VOLTAGE / HIGH TEMPERATURE APPLIANCE WIRE 3kV_{DC} / 6kV_{DC} / 10kV_{DC} – 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 _{DC} , 6kV _{DC} , 10kV _{DC} 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 _{DC}]	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 _{DC}]		Conductor Size [AWG]		Color Code

COLOR CODE

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

HXW SERIES CROSS SECTION VIEWS

