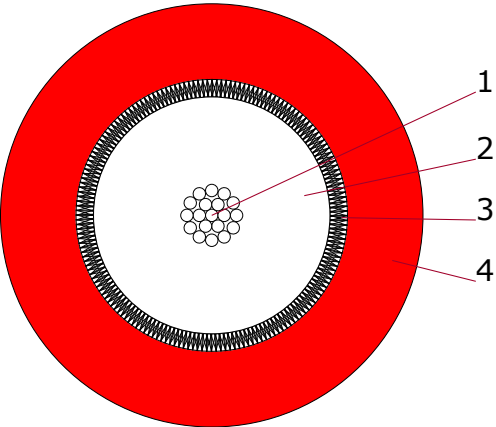


30kV_{DC} / 2kV_{AC} - AWG22 - PE-X DIELECTRIC HIGH VOLTAGE CABLE
AWM STYLE 3873 - INTERNAL USE

▪ **PRODUCT DESCRIPTION**

Shielded 30kV_{DC} high voltage cable with PE-X dielectric and PVC jacket.
UL recognized AWM style 3873 (internal use). The UL recognition is only valid for DC operating voltage.
Oil resistant and flame retardant according to the standards listed below.

▪ **CONSTRUCTION**



1. Conductor	AWG22 Cu/Sn (19x0.15mm t.p.c.)	0.335mm ² Ø 0.75mm
2. Dielectric	PE-X	Ø 3.05mm ± 0.1mm
3. Braid	Cu/Sn (0.1mm t.p.c.) 85% Coverage	Ø 3.5mm ± 0.1mm
4. Jacket	PVC	Ø 5.45mm ± 0.2mm

▪ **TECHNICAL DATA**

Rated Voltage	30kV _{DC} / 2kV _{AC}
Test Voltage	61kV _{DC} / 1min (core / braid) 20kV _{AC} (Spark Test, core) Extended dielectric strength test 48kV _{DC} / 24h available on request.
Conductor Resistance @ 20°C	≤ 58Ω/km
Impedance	typ. 60Ω
Capacitance	typ. 90pF/m
min. Bend Radius	55mm (moving), 27mm (fixed)
Operating Temperature	-15 (non-moving: -25°C)°C - +105°C
Oil Resistance	according to DIN EN 60811-404 (168 h 80°C)
Flame Retardance	according to UL758/1581/2556, Horizontal Flame Test
RoHS Compliant	Yes
Weight	ca. 0.039kg/m
Cu-Weight	ca. 0.012kg/m
Color	red (~RAL 3000)
Status	P (Preferred)

Intended for fixed installation; suitable for flexible wiring to a limited extent.
This cable can be terminated with our HC52 series high voltage connector HC52P-HTV30S and our HS/HB connector series.

All values and dimensions without given tolerances are nominal.

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.
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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!