

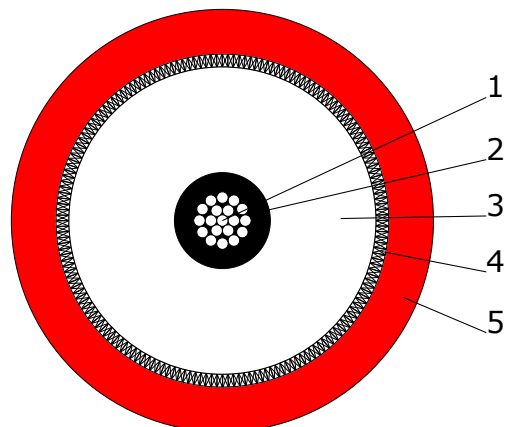
HPW-40S-0.5-A-2

40kV_{DC} - AWG20 - PE-X DIELECTRIC

PRODUCT DESCRIPTION

40kV_{DC} coaxial high voltage cable. It is fully compatible with our HS Series high voltage connectors (HS11, HS21, HS31, HS40). Halogen free, flame retardant, low smoke (LSZH). RoHS / REACH compliant. The jacket is resistant against oil, hydrolysis and microbes.

CONSTRUCTION



1. Conductor	AWG20 Cu/Sn (19xAWG33 t.p.c.)	0.5mm ² Ø 0.92mm
2. Semicon	Semiconductive PE	Ø 1.5mm ±0.05mm
3. Dielectric	PE-X	Ø 4.8mm ± 0.1mm
4. Braid	Cu/Sn (16x 8x 0.1mm t.p.c.) ≥85% Coverage	Ø 5.2mm ± 0.1mm
5. Jacket	PUR	Ø 6.6mm ± 0.2mm

TECHNICAL DATA

Rated Voltage	40kV _{DC}
Test Voltage	64kV _{DC} / 24h (conductor / braid) 25kV _{AC} (Spark Test core)
Conductor Resistance @ 20°C	≤ 40Ω/km
Braid Resistance @ 20°C	≤ 30Ω/km
Isolation Resistance	> 10GΩ/km
Impedance	typ. 60Ω
Capacitance	typ. 109pF/m
min. Bend Radius	130mm (moving), 66mm (fixed)
Operating Temperature	-20°C - +80°C
Oil Resistance	according to DIN EN 50290-2-22 Oil resistance test 60°C according to UL1581 Tab.50.182
Flame Retardance	according to DIN EN 60332-2-2 Horizontal flame test according to UL2556
Halogen-free	Yes (LSZH)
RoHS Compliant	Yes
Weight	ca. 0.05kg/m
Cu-Weight	ca. 0.02kg/m
Color	red (~RAL3000)
Status	S (Special)

Intended for fixed installation; suitable for flexible wiring to a limited extent.

This cable can be terminated with our HS/HB and HC7 connector series.