



HIGH-PERFORMANCE CABLE SOLUTION

## VERTEX-A™ VTX-A1-type 75kVDC rated High Voltage Cable



### APPLICATION

The VERTEX-A line is designed specifically for angiography X-ray equipment applications.

### STANDARD

Enterprise standard for DC high-voltage cables used in X-ray machines.

### FEATURE

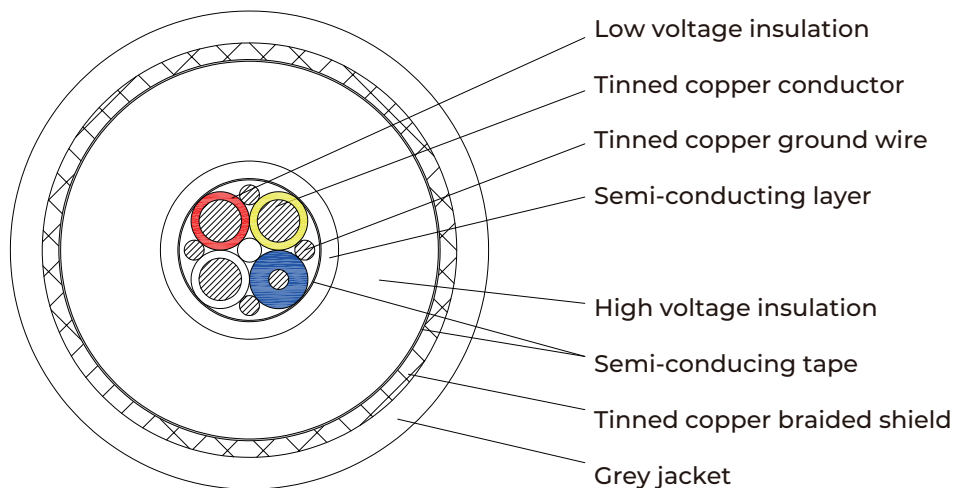
- High flexibility.
- Small diameter.
- 95% cable shield braid density.
- RoHS & REACH compliant.

## MAIN TECHNICAL PARAMETER

SPECIFICATION	REQUIREMENTS
Rated Voltage	75kVDC
General test voltage (high voltage insulation)	120kVDC/10min
Rated voltage (wire insulation)	2kVAC
Maximum Conductor Current	15A
Nominal Outer diameter	19.0±0.5mm
Insulation resistance of conductor core to shielding at 20 °C	≥1×10 <sup>12</sup> Ω·m
Conductor resistance (white, red, yellow) DC at 20 °C	11.9mΩ/m±10%
Conductor resistance (blue) DC at 20 °C	37.1mΩ/m±10%
Bare ground wire DC resistance DC at 20 °C	8.9mΩ/m±10%
Capacitance between conductor and shield	150±15pF/m
Minimum static bending radius	<42.5mm
Minimum dynamic bending radius	<95mm
The cable has undergone 100000 bending and twisting cycles	normal operation
Transportation and storage temperature	-40 °C~+70 °C
Operating Temperature	-10 °C~+70 °C
Net weight	434kg/km

## DIAGRAM

VERTEX-A™ VTX-A1



White, red, and yellow insulation is 1.5mm<sup>2</sup>, blue insulation is 0.5mm<sup>2</sup>, ground wire is 2.0 (4 × 0.5) mm<sup>2</sup>.



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