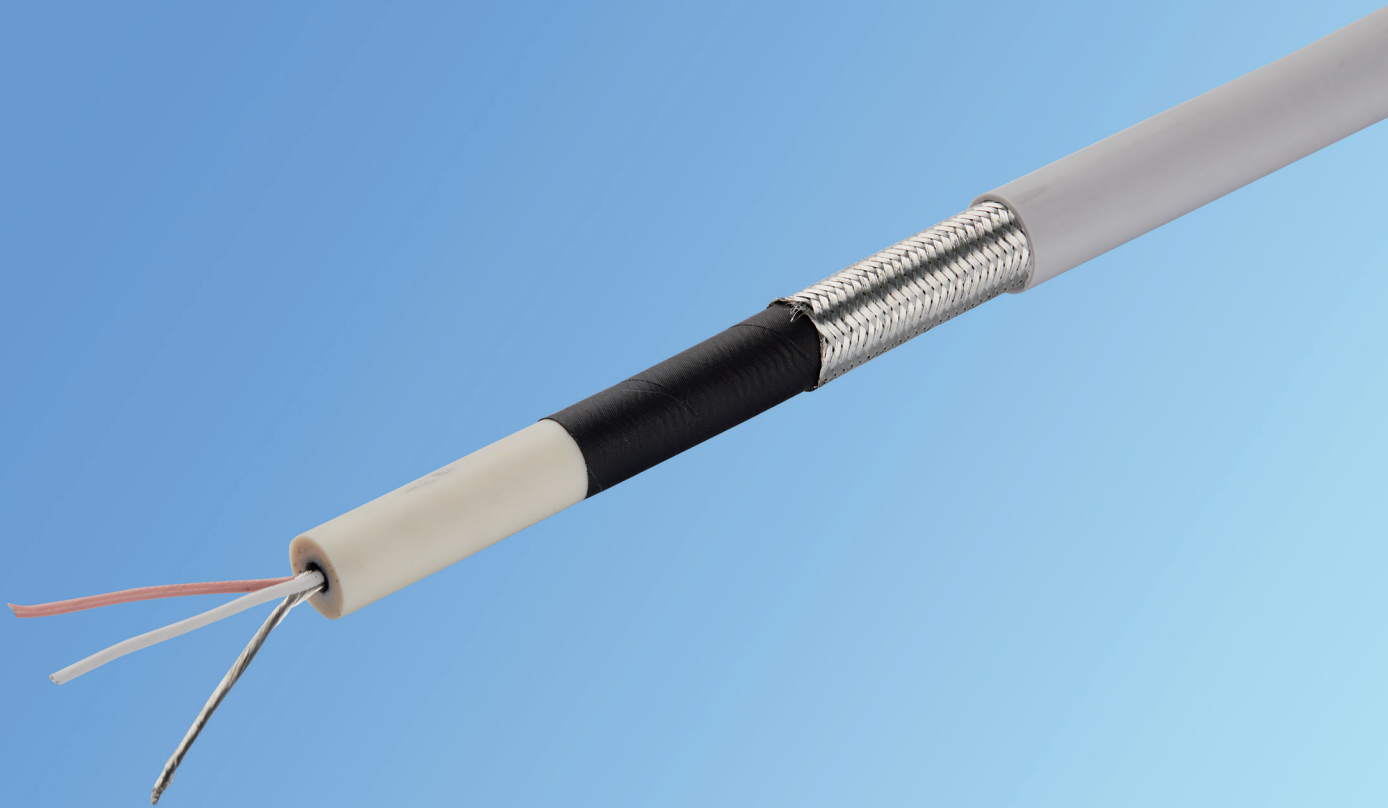




HIGH-PERFORMANCE CABLE SOLUTION

VERTEX-R™ VTX-R3-type 100kVDC rated High Voltage Cable



APPLICATION

The VERTEX-R line is designed specifically for Radiographic X-ray applications such as standard X-ray, computed tomography and angiography equipment.

STANDARD

Enterprise standard for DC high-voltage cables for X-ray equipment.

FEATURE

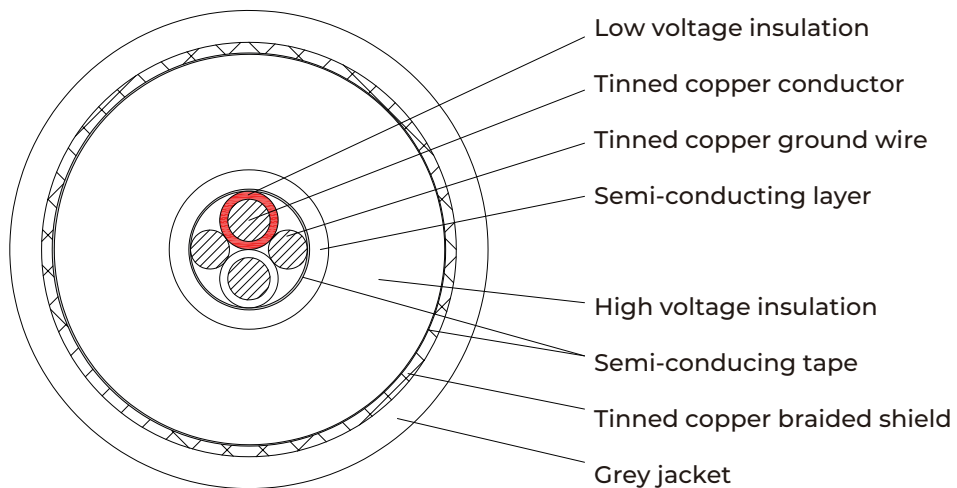
- Low capacitance.
- High flexibility.
- Small diameter.
- 95% cable shield braid density.
- RoHS & REACH compliant.

MAIN TECHNICAL PARAMETER

SPECIFICATION	REQUIREMENTS
Rated voltage	100kVDC
General test voltage (high voltage insulation)	160kVDC/10min
Rated voltage (conductor insulation)	2kVAC
Maximum conductor current	18A
Nominal outside diameter	19.4 ± 0.5 mm
Insulation resistance of conductor core to shield at 20 °C	≥1×10 ¹² Ω·m
Conductor resistance DC at 20 °C	10mΩ/m±10%
Bare ground wire resistance DC at 20 °C	7mΩ/m±10%
Capacitance between conductor and shield	135±13pF/m
Minimum static bending radius	<50mm
Minimum dynamic bending radius	<100mm
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	448kg/km

DIAGRAM

VERTEX-R™ VTX-R3



White & Red insulation is 1.8mm², Ground wire is 2.5mm².



HIGH-PERFORMANCE CABLE SOLUTION

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