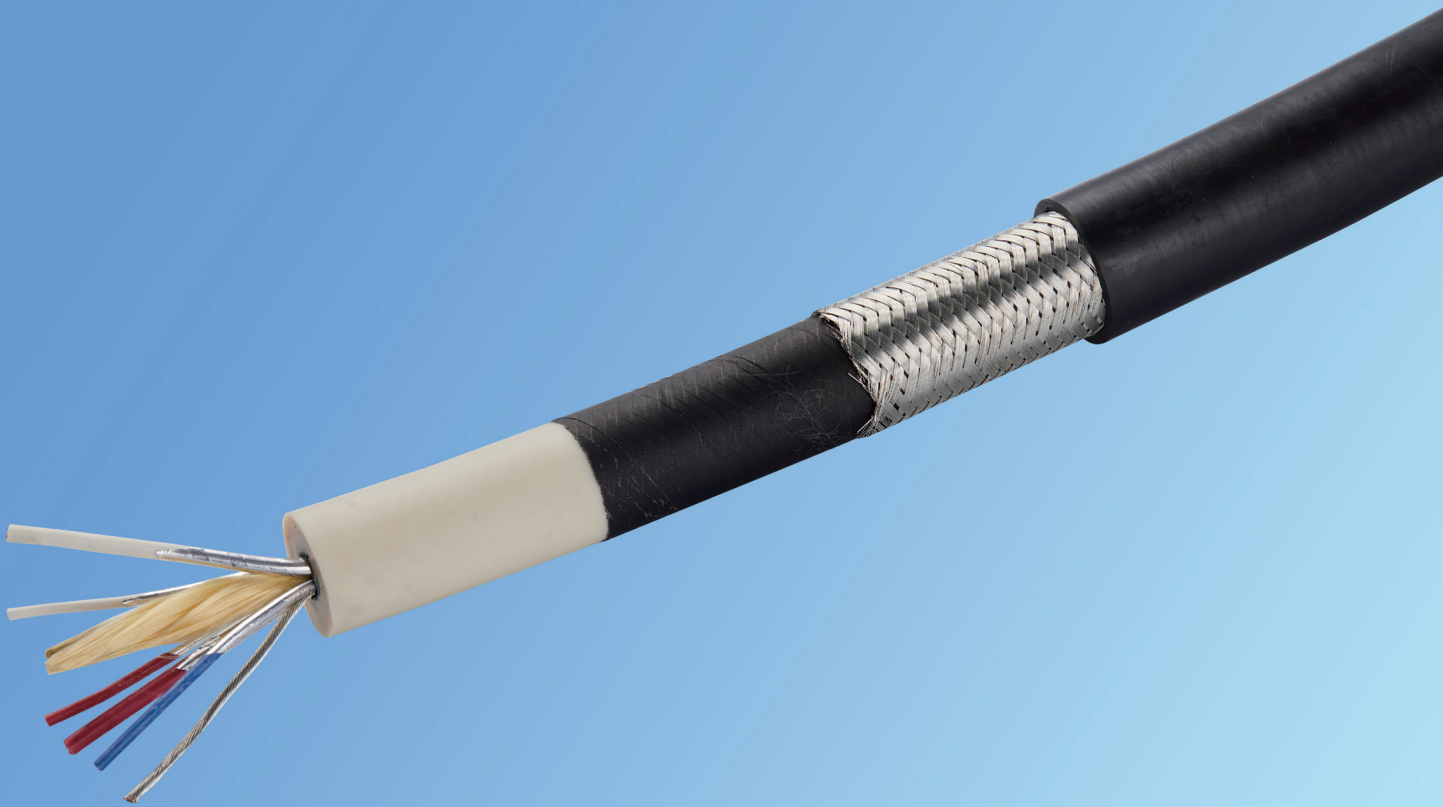




HIGH-PERFORMANCE CABLE SOLUTION

VERTEX-N™ VTX-N3-type 160kVDC rated High Voltage Cable



APPLICATION

The VERTEX-N line is designed specifically for industrial NDT applications.

STANDARD

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

FEATURE

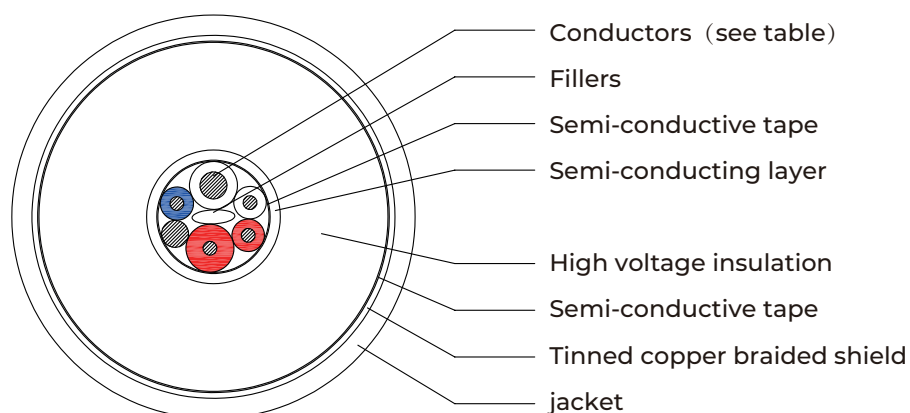
- Flexible.
- Insulated conductors shielded with metalized tape.
- RoHS & REACH compliant.

MAIN TECHNICAL PARAMETER

SPECIFICATION	UNIT	REQUIREMENTS
Rated Voltage	kVDC	160
General test voltage (high voltage insulation)	kV/min	190kV/30min
Rated voltage (insulated core)		
RedX2, WhiteX1, Blue Foc 3×0.5mm ²	kVDC	5
Red L 0.5mm ²	kVDC	9
White Fil 1.8mm ²	kVDC	1
Conductor insulation test voltage		
Red X2, White X1, Blue Foc 3×0.5mm ² withstand voltage	kV/min	8/5
Red L 0.5mm ² withstand voltage	kV/min	15/5
White Fil 1.8mm ² withstand voltage	kV/min	8/5
Insulation resistance		
Insulation resistance of low voltage insulation layer	MΩ·km	≥2000
Cable core to shield high voltage insulation layer	MΩ·km	≥2000
Outer diameter		34mm
0.5mm ² conductor resistance DC at 20 °C		37.1mΩ/m±10%
1.8mm ² conductor and ground resistance DC at 20 °C		10mΩ/m±10%
Capacity		140±14pF/m
Characteristic impedance		45Ω
Reference weight		1200kg/km

DIAGRAM

VERTEX-N™ VTX-N3



HIGH-PERFORMANCE CABLE SOLUTION

TWB-Germany GmbH

Add: Kolonnenstr.8, 10827 Berlin, Germany

E-mail: rolf.kaiser@twb-germany.com

Tel: +49 171 5544253

URL: www.twb-germany.com

The data in this document is for reference only. Contents in this document are subject to change without notice.