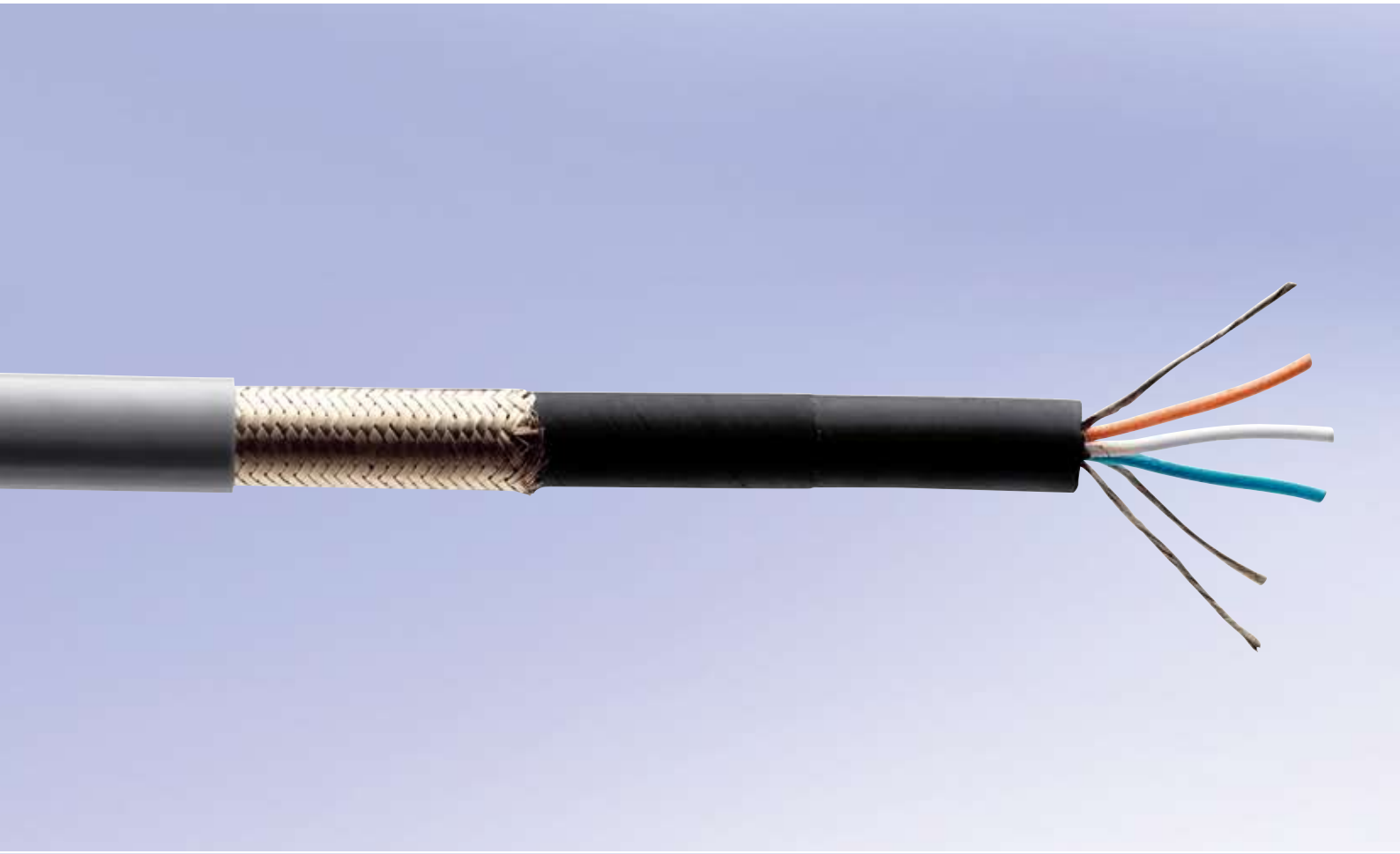


定电压为75 kVDC 的 T4型高压电缆

高柔性、小直径、4芯橡皮绝缘高压电缆、额定电压为75kVDC。

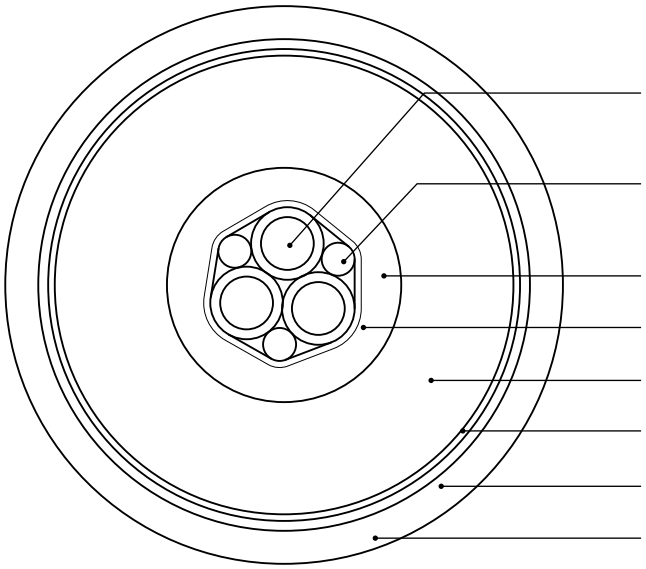
特点

- 高柔性
- 小直径
- 95%的屏蔽编织覆盖率

说明

此型号4芯橡皮绝缘高压电缆的典型应用为：

- 医用X射线设备（如标准X射线设备）、计算机断层显像(CT)和血管造影设备。
- 工业和科学X射线设备或电子束设备，如电子显微镜和X射线衍射仪



Construction

Red, white and blue Tefzel insulated conductors,
1.5 mm^2 (19 x Ø 0.32 mm), stranded tinned copper wires.

Bare conductor, 1.5 mm^2 (3 x 20 x Ø 0.18 mm),
stranded tinned copper wires.

Semi-conducting EP rubber.

Semi-conducting tape.

High voltage insulation, EP rubber, black.

Semi-conducting tape.

Shielding braid, 95% coverage, tinned copper wires.

PVC jacket, color: light gray.

Technical data

Number of conductors	4
Rated voltage	75 kVDC
Routine test voltage (high voltage insulation)	120 kVDC / 10 min
Routine test voltage (conductor insulation)	2 kVACrms / 1 min
Maximum conductor current	1.5 mm^2: 15 A; 0.5 mm^2: 8 A
Corona level at 75 kVDC	≤10 pC
Nominal outside diameter	16.7 mm / 0.657 in / ±0.5 mm / ±0.020 in
Thickness of PVC jacket	1.0 mm / 0.039 in
Thickness of high voltage insulation	4.4 mm / 0.173 in
Diameter of core-assembly	4.8 mm / 0.189 in
Insulation resistance core to shield @20 °C	≥$1x10^{12}$ Ω·m / ≥$3x10^{12}$ Ω·ft
Conductor insulation resistance @20 °C	≥$1x10^{12}$ Ω·m / ≥$3x10^{12}$ Ω·ft
Conductor resistance bare conductor @20 °C	11.4 mΩ/m / 3.7 mΩ/ft / ±5 %
Conductor resistance insulated cond. @20 °C	11.4 mΩ/m / 3.7 mΩ/ft / ±5 %
Shield resistance @20 °C	11.1 mΩ/m / 3.6 mΩ/ft / ±10 %
Capacitance between conductors and shield	212 pF/m / 70 pF/ft / ±10 %
Capacitance between insulated conductors	164 pF/m / 54 pF/ft / ±10 %
Cap. between insulated and bare conductor	303 pF/m / 99 pF/ft
Cable min. bending radius (static installation)	34 mm / 1.4 in
Cable min .bending radius (dynamic installation)	68 mm / 2.7 in
Operating temperature	-10/+70 °C / +14/+158 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	340 kg/km