



额定电压为75 kVDC 的 T3型(Superflex)高压电缆

高柔性、小直径、低电容、3芯橡皮绝缘高压电缆，额定电压为75kVDC。

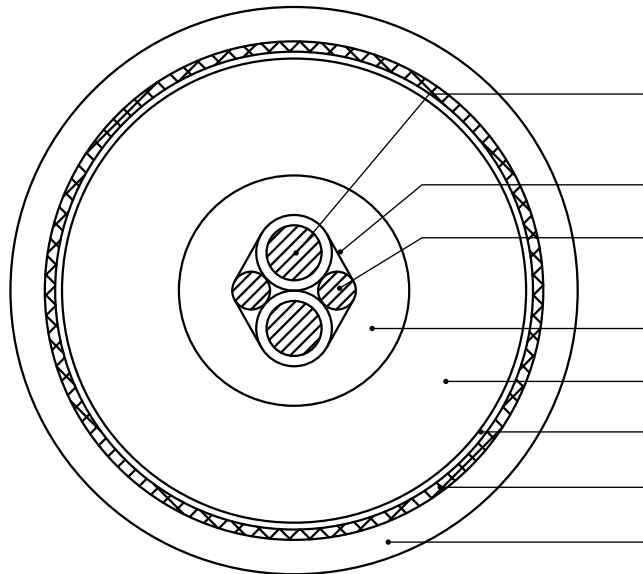
特点

- 低电容
- 高柔性
- 小直径
- 95%的屏蔽编织覆盖率

说明

此型号3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
- 小电量高电压测试测量仪器



Construction

Red and white Tefzel insulated conductors, 1.5mm² (19xØ0.32mm), stranded tinned copper wires.

Semi-conducting tape.

Bare conductor, 1.5mm² (2x30xØ0.18mm), stranded tinned copper wires.

Semi-conducting EP rubber.

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	3
Rated voltage	75kVDC
Routine test voltage (high voltage insulation)	120kVDC / 10 min
Routine test voltage (conductor insulation)	2kVACrms / 5 min
Maximum conductor current	1.5 mm ² : 15 A; 0.75 mm ² : 11 A
Corona level at 75kVDC	≤10 pC
Nominal outside diameter	16.2 mm / 0.638 in / ±0.5 mm / ±0.020 in
Thickness of PVC jacket	1.0 mm / 0.039 in
Thickness of high voltage insulation	3.4 mm / 0.134 in
Diameter of core-assembly	4.4 mm / 0.173 in
Insulation resistance core to shield @20°C	≥8x10 ¹² Ω·m / ≥24x10 ¹² Ω·ft
Conductor insulation resistance @20°C	≥5x10 ¹³ Ω·m / ≥15x10 ¹³ Ω·ft
Conductor resistance bare cond. @20°C	11.4 mΩ/m / 3.7 mΩ/ft / ±5%
Conductor resistance insul. cond. @20°C	11.4 mΩ/m / 3.7 mΩ/ft / ±5%
Shield resistance @20°C	10.9 mΩ/m / 3.6 mΩ/ft / 5%
Capacitance between cond. and shield	220 pF/m / 72 pF/ft / ±10%
Capacitance between ins. cond. and bare cond.	344 pF/m / 113 pF/ft
Capacitance between insulated conductors	223 pF/m / 68 pF/ft
Cable min. bending radius (static installation)	33 mm / 1.3 in
Cable min. bending radius (dynamic installation)	66 mm / 2.6 in
Operating temperature	-10/+70 °C / +14/+158 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	330 kg/km