
**Siechem**
**Wires & Cables**

## Siechem Multicore Annealed Tinned Copper Conductor, XLPE 90 °C Insulated & CSPE Sheathed 600 V rated Cable

### Application

- ✓ Control cable is a 600 V multi-conductor, thermoset, Class IE rated Construction specifically designed for application in nuclear generating stations and where flame retardancy is critical.
- ✓ For use in class IE power distribution and control circuits for power lighting, control and signal circuits.
- ✓ Can be installed in trays, conduit, ducts or in direct burial applications.

### Features

- ✓ Traceable
- ✓ Flame retardant
- ✓ Radiation stability
- ✓ Long term moisture
- ✓ Long term thermal endurance
- ✓ Stripping for ease of termination
- ✓ Radiation resistant up to 200 megarads

### Product Construction

- ✓ Conductor : Annealed Tinned copper Conductor as per ASTM B33
- ✓ Insulation : Cross-Linked polyethylene (EBXL-XLPE 90°C)
- ✓ Outer sheath : Heavy-duty chlorosulphonated polyethlene (CSPE)

### Technical Data

- ✓ Rated voltage : 600 V
- ✓ Temperature rating : 90°C
- ✓ Specification : Class IE Qualified in accordance with
  IEEE 323-1974 and IEEE 383-1974
  ICEA S-73-532(formerly
  ICEA S-66-524 & S-19-81)
- ✓ Flame Test : IEEE 383 (70,000 BTU/hr) as modified by NRC
  IEEE 383 (70,000 BTU/hr)
  IEEE 1202 (70,000 BTU/hr)
  ICEA T-29-520 (210,000 BTU/hr )
  UL VW -1

ISO 9001 | ISO 14001 | ISO/TS 16949 | OHSAS 18001 | AS 14001 | ISO 45001 | REACH COMPLIANT | RoHS COMPLIANT | CE

| Part Number | No.of Cond. | Cond. Size (AWG) | No. of Strand/ Stand dia | Insulation Thickness (Nom.) | Outer Sheath Thickness | Cable Diameter (Nom.) | Cable Weight (approx.) |
|---|---|---|---|---|---|---|---|
| | | | | mm | mm | mm | kg/km |
| 95979XX | 2/C flat | 14 | 7/0.615 | 0.76 | 1.14 | 5.66 x 9.04 | 116 |
| 95978XX | 2/C flat | 12 | 7/0.775 | 0.76 | 1.14 | 6.15 x 10.01 | 141 |
| 95977XX | 2/C flat | 10 | 7/0.978 | 0.76 | 1.14 | 6.73 x 11.18 | 196 |
| 96079XX | 2/C | 14 | 7/0.615 | 0.76 | 1.14 | 9.12 | 121 |
| 96079XX | 3/C | 14 | 7/0.615 | 0.76 | 1.14 | 9.63 | 138 |
| 96079XX | 4/C | 14 | 7/0.615 | 0.76 | 1.14 | 10.5 | 173 |
| 96079XX | 5/C | 14 | 7/0.615 | 0.76 | 1.14 | 11.5 | 201 |
| 96079XX | 7/C | 14 | 7/0.615 | 0.76 | 1.14 | 12.5 | 283 |
| 96079XX | 9/C | 14 | 7/0.615 | 0.76 | 1.52 | 15.3 | 390 |
| 96079XX | 12/C | 14 | 7/0.615 | 0.76 | 1.52 | 17.2 | 479 |
| 96079XX | 19/C | 14 | 7/0.615 | 0.76 | 1.52 | 19.9 | 752 |
| 96079XX | 25/C | 14 | 7/0.615 | 0.76 | 2.03 | 24.2 | 938 |
| 96079XX | 30/C | 14 | 7/0.615 | 0.76 | 2.03 | 25.7 | 1176 |
| 96079XX | 37/C | 14 | 7/0.615 | 0.76 | 2.03 | 27.7 | 1310 |
| 96078XX | 2/C | 12 | 7/0.775 | 0.76 | 1.14 | 10.1 | 158 |
| 96078XX | 3/C | 12 | 7/0.775 | 0.76 | 1.14 | 10.7 | 183 |
| 96078XX | 4/C | 12 | 7/0.775 | 0.76 | 1.14 | 11.7 | 256 |
| 96078XX | 5/C | 12 | 7/0.775 | 0.76 | 1.14 | 12.8 | 305 |
| 96078XX | 7/C | 12 | 7/0.775 | 0.76 | 1.52 | 14.7 | 411 |
| 96078XX | 9/C | 12 | 7/0.775 | 0.76 | 1.52 | 17.1 | 536 |
| 96078XX | 12/C | 12 | 7/0.775 | 0.76 | 1.52 | 19.2 | 679 |
| 96078XX | 19/C | 12 | 7/0.775 | 0.76 | 2.03 | 23.4 | 1049 |
| 96078XX | 25/C | 12 | 7/0.775 | 0.76 | 2.03 | 27.1 | 1302 |
| 96078XX | 30/C | 12 | 7/0.775 | 0.76 | 2.03 | 28.9 | 1511 |
| 96078XX | 37/C | 12 | 7/0.775 | 0.76 | 2.03 | 31.2 | 1820 |
| 96077XX | 2/C | 10 | 7/0.978 | 0.76 | 1.14 | 11.3 | 208 |
| 96077XX | 3/C | 10 | 7/0.978 | 0.76 | 1.14 | 11.9 | 253 |
| 96077XX | 4/C | 10 | 7/0.978 | 0.76 | 1.14 | 13.1 | 374 |
| 96077XX | 5/C | 10 | 7/0.978 | 0.76 | 1.52 | 15.1 | 460 |
| 96077XX | 7/C | 10 | 7/0.978 | 0.76 | 1.52 | 16.5 | 557 |
| 96077XX | 9/C | 10 | 7/0.978 | 0.76 | 1.52 | 19.2 | 778 |
| 96077XX | 12/C | 10 | 7/0.978 | 0.76 | 2.03 | 22.6 | 979 |
| 96077XX | 19/C | 10 | 7/0.978 | 0.76 | 2.03 | 26.4 | 1453 |

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