

**Siechem Annealed Tinned Copper Conductor, XLPE 90°C Insulated & CSPE sheathed 600 V Rated cable**

**Application**

- ✓ Instrumentation 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 monitoring data recording and transmitting information on low energy circuits where shielding from external electrostatic interference is not required
- ✓ 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 polyethylene (CSPE)

**Technical Data**

- ✓ Rated voltage : 600V
- ✓ Temperature rating : 90°C
- ✓ Specification : (1) Class IE Qualified in accordance with IEEE 323-1974 and IEEE 383-1974  
(2) ICEA S-82-552 (formerly ICEA S-66-524 & S-19-81)
- ✓ FlameTest : IEEE 383 (70,000 BTU/hr) as modified by NRC  
IEEE 383 (70,000 BTU/hr)  
IEEE 1202 (70,00 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			
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Part Number	No. of Cond.	Size (AWG)	No. of Strands/ Strand dia	Insulation Thickness (Nom.)	Outer Sheath Thickness	Cable Diameter (Nom.)	Cable Weight (approx.)
				mm	mm	mm	kg/km
95481XX	2/C flat	18	7/0.386	0.64	1.14	5.08 x 7.77	68
95480XX	2/C flat	16	7/0.488	0.64	1.14	5.33 x 8.13	80
95581XX	2/C	18	7/0.386	0.64	1.14	7.75	76
95581XX	3/C	18	7/0.386	0.64	1.14	8.00	85
95581XX	4/C	18	7/0.386	0.64	1.14	8.64	106
95581XX	5/C	18	7/0.386	0.64	1.14	9.40	118
95581XX	7/C	18	7/0.386	0.64	1.14	10.16	146
95581XX	9/C	18	7/0.386	0.64	1.14	11.68	182
95581XX	12/C	18	7/0.386	0.64	1.14	13.08	229
95581XX	19/C	18	7/0.386	0.64	1.52	16.0	359
95581XX	25/C	18	7/0.386	0.64	1.52	18.54	458
95581XX	30/C	18	7/0.386	0.64	1.52	19.43	522
95581XX	37/C	18	7/0.386	0.64	1.52	21.05	632
95580XX	2/C	16	7/0.488	0.64	1.14	8.13	83
95580XX	3/C	16	7/0.488	0.64	1.14	8.51	103
95580XX	4/C	16	7/0.488	0.64	1.14	9.27	127
95580XX	5/C	16	7/0.488	0.64	1.14	10.03	147
95580XX	7/C	16	7/0.488	0.64	1.14	10.92	190
95580XX	9/C	16	7/0.488	0.64	1.14	12.7	238
95580XX	12/C	16	7/0.488	0.64	1.52	15.0	329
95580XX	19/C	16	7/0.488	0.64	1.52	17.27	473
95580XX	25/C	16	7/0.488	0.64	1.52	20.07	604
95580XX	30/C	16	7/0.488	0.64	1.52	22.35	762
95580XX	37/C	16	7/0.488	0.64	2.03	24.0	915



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