Siechem
Wires & Cables

Siechem Annealed Tinned Copper Conductor, XLPE 90°C Insulated overall shielded with aluminium & ATC drain wire & CSPE sheathed 600 V Rated cable

Application

- ✓ Instrumentation Cable is a 600 V overall shielded multi-conductor, thermoset, Class IE rated construction specifically designed for application in nuclear generating stations and where flame retardancy is critical.
- ✓ Designed for use on circuits where overall shielding is required to protect from external electrostatic interference, but not shielding between conductors.
- ✓ 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)
- ✓ Overall shield : Aluminium/polyester tape in contact with a stranded tinned coppar drain wire

Technical Data

- ✓ Rated voltage : 600 V
- ✓ 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)
- ✓ 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 Conductor	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
95681XX	2/C	18	7/0.386	0.64	1.14	7.39	79
95681XX	3/C	18	7/0.386	0.64	1.14	7.77	85
95681XX	4/C	18	7/0.386	0.64	1.14	8.43	110
95681XX	5/C	18	7/0.386	0.64	1.14	10.1	121
95681XX	7/C	18	7/0.386	0.64	1.14	10.9	150
95681XX	9/C	18	7/0.386	0.64	1.14	12.4	186
95681XX	12/C	18	7/0.386	0.64	1.52	14.5	234
95681XX	19/C	18	7/0.386	0.64	1.52	16.6	362
95681XX	25/C	18	7/0.386	0.64	1.52	19.0	460
95681XX	30/C	18	7/0.386	0.64	1.52	20.1	530
95681XX	37/C	18	7/0.386	0.64	2.03	22.6	637
95680XX	2/C	16	7/0.488	0.64	0.045	7.85	91
95680XX	3/C	16	7/0.488	0.64	0.045	8.26	109
95680XX	4/C	16	7/0.488	0.64	0.045	8.97	131
95680XX	5/C	16	7/0.488	0.64	0.045	11.0	155
95680XX	7/C	16	7/0.488	0.64	0.045	11.8	195
95680XX	9/C	16	7/0.488	0.64	0.060	14.3	244
95680XX	12/C	16	7/0.488	0.64	0.060	15.8	333
95680XX	19/C	16	7/0.488	0.64	0.060	18.1	478
95680XX	25/C	16	7/0.488	0.64	0.060	20.7	609
95680XX	30/C	16	7/0.488	0.64	0.080	23.0	768
95680XX	37/C	16	7/0.488	0.64	0.080	24.6	911