Siechem
Wires & Cables

Siechem Multicore Annealed Tinned Copper Conductor, XLPE 90°C Insulated 600 V Overall shield, rated Cable

Application

- ✓ Control 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.
- ✓ Optimum performance is required for use on class IE circuits when shielding from external electrostatic interference is required
- ✓ Can be installed in trays, conduit, ducts or in direct burial applications.

Product Construction

- ✓ Conductor : Annealed Tinned copper Conductor as per ASTM B33
- ✓ Insulation : Cross-Linked polyethylene (EBXL-XLPE 90°C)
- ✓ Overall shield : Aluminium/polyester tape in contact with a stranded tinned copper drain wire
- ✓ Outer sheath : Heavy duty chlorosulphonated Polyethylene (CSPE)

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-73-532 (formerly ICEA S-66-524 & S-19-81)
  (3) ANSI N45.2
- ✓ 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

Features

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

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 Strands/ Strand dia	Insulation Thickness (Nom.)	Drain Wire Size	Outer Sheath Thickness	Cable Diameter (Nom.)	Cable Weight (approx.)
				mm	mm	mm	mm	kg/km
96179XX	2/C	14	7/0.615	0.76	16	1.14	9.12	137
96179XX	3/C	14	7/0.615	0.76	16	1.14	9.63	153
96179XX	4/C	14	7/0.615	0.76	16	1.14	10.5	189
96179XX	5/C	14	7/0.615	0.76	16	1.14	13.0	217
96179XX	7/C	14	7/0.615	0.76	16	1.52	14.8	301
96179XX	9/C	14	7/0.615	0.76	16	1.52	16.8	408
96179XX	12/C	14	7/0.615	0.76	16	1.52	18.7	499
96179XX	19/C	14	7/0.615	0.76	16	2.03	22.6	772
96179XX	25/C	14	7/0.615	0.76	16	2.03	25.8	958
96179XX	30/C	14	7/0.615	0.76	16	2.03	27.3	1200
96179XX	37/C	14	7/0.615	0.76	16	2.03	29.3	1479
96178XX	2/C	12	7/0.77	0.76	14	1.14	10.0	182
96178XX	3/C	12	7/0.77	0.76	14	1.14	10.7	207
96178XX	4/C	12	7/0.77	0.76	14	1.14	11.7	280
96178XX	5/C	12	7/0.77	0.76	14	1.52	15.4	329
96178XX	7/C	12	7/0.77	0.76	14	1.52	16.6	435
96178XX	9/C	12	7/0.77	0.76	14	1.52	18.9	560
96178XX	12/C	12	7/0.77	0.76	14	1.52	21.0	702
96178XX	19/C	12	7/0.77	0.76	14	2.03	25.3	1073
96178XX	25/C	12	7/0.77	0.76	14	2.03	29.0	1328
96178XX	30/C	12	7/0.77	0.76	14	2.03	30.8	1536
96178XX	37/C	12	7/0.77	0.76	14	2.03	33.1	1845
96177XX	2/C	10	7/0.77	0.76	12	1.14	11.3	246
96177XX	3/C	10	7/0.77	0.76	12	1.14	11.9	290
96177XX	4/C	10	7/0.77	0.76	12	1.14	13.1	411
96177XX	5/C	10	7/0.77	0.76	12	1.52	17.5	497
96177XX	7/C	10	7/0.77	0.76	12	1.52	18.8	597
96177XX	9/C	10	7/0.77	0.76	12	2.03	22.5	817
96177XX	12/C	10	7/0.77	0.76	12	2.03	24.9	1018
96177XX	19/C	10	7/0.77	0.76	12	2.03	28.7	1490