

Siechem Annealed Tinned Copper Conductor, XLPE 90°C Insulated, ATC Drain Wire and CSPE Sheathed 600V rated cable

Application

- ✓ Power 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)
- ✓ Drain wire : ATC 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-95-658 (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

ISO 9001	ISO 14001	ISO/TS 16949	OHSAS 18001	AS 14001	ISO 45001			
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Part Number	No. of Cond.	Cond. Size (AWG)	No. of Strands / Stand dia	Insulation Thickness (Nom.)	Drain Wire Size	Outer Sheath Thickness	Cable Diameter (Nom.)	Cable Weight (approx.)
				mm	mm	mm	mm	kg/km
96276XX	3/C	8	7/1.234	1.14	10	1.52	16.0	470
96276XX	4/C	8	7/1.234	1.14	10	1.52	17.5	582
96275XX	3/C	6	7/1.554	1.14	8	1.52	18.0	686
96275XX	4/C	6	7/1.554	1.14	8	1.52	19.8	853
96274XX	3/C	4	7/1.961	1.14	8	1.52	20.6	1012
96274XX	4/C	4	7/1.961	1.14	8	2.03	23.7	1267
96273XX	3/C	2	7/2.474	1.14	6	2.03	24.8	1470
96273XX	4/C	2	7/2.474	1.14	6	2.03	27.3	1854
96272XX	3/C	1	19/1.687	1.14	6	2.03	28.3	1848
96272XX	4/C	1	19/1.687	1.14	6	2.03	31.1	2485
96290XX	3/C	1/0	19/1.892	1.40	6	2.03	30.1	2152
96290XX	4/C	1/0	19/1.892	1.40	6	2.03	33.3	2749
96291XX	3/C	2/0	19/2.126	1.40	6	2.03	32.6	2603
96291XX	4/C	2/0	19/2.126	1.40	6	2.03	36.0	3343
96292XX	3/C	3/0	19/2.388	1.40	4	2.03	35.3	3219
96292XX	4/C	3/0	19/2.388	1.40	4	2.03	39.1	4134
96294XX	3/C	4/0	19/2.681	1.40	4	2.03	38.4	3926
96294XX	4/C	4/0	9/2.683	1.40	4	2.79	44.0	5227
96241XX	3/C	250	7/2.088	1.65	4	2.03	42.1	4753
96241XX	4/C	250	37/2.088	1.65	4	2.79	48.2	6103
96244XX	3/C	350	37/2.471	1.65	3	2.79	54.5	6429
96244XX	4/C	350	37/2.471	1.65	3	2.79	49.3	8312
96246XX	3/C	500	37/2.951	1.65	2	2.79	56.3	8785
96246XX	4/C	500	37/2.951	1.65	2	2.79	62.4	11379
96249XX	3/C	750	61/2.817	2.03	1	2.79	67.8	13142
96249XX	4/C	750	61/2.817	2.03	1	3.56	76.8	17059



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