

Siechem ATC Conductor, XLPE 90°C Insulated Individually Shielded Pair or triads , overall shield with aluminium & CSPE Sheathed 600 V rated cable

Application

- ✓ Instrumentation Cable is a 600 V, individual shielded pairs or triads with overall shield, thermoset, Class IE rated construction specifically designed for application in nuclear generating stations and where flame retardancy is critical.
- ✓ Designed for use on critical circuits where total isolation is required between pairs/triads and from external interference.
- ✓ 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

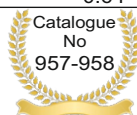
- ✓ Conductor : Annealed Tinned copper Conductor as per ASTM B33
- ✓ Insulation : Cross-Linked polyethylene (EBXL-XLPE 90°C)
- ✓ Shielding : Pairs or triads are 100% shielded with an aluminium/polyester tape in contact with a stranded tinned copper drain wire
- ✓ Overall shield: Aluminium/polyester tape 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 (3) 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) IEEE1202 (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 Pairs/ No. of Triads	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
95781XX	2P	18	7/0.386	0.64	1.14	11.7	192
95781XX	3P	18	7/0.386	0.64	1.14	12.5	237
95781XX	4P	18	7/0.386	0.64	1.52	14.4	336
95781XX	5P	18	7/0.386	0.64	1.52	15.7	397
95781XX	7P	18	7/0.386	0.64	1.52	17.1	433
95781XX	9P	18	7/0.386	0.64	1.52	19.9	539
95781XX	12P	18	7/0.386	0.64	2.03	23.4	744
95781XX	19P	18	7/0.386	0.64	2.03	27.4	988
95780XX	2P	16	7/0.488	0.64	1.14	12.6	247
95780XX	3P	16	7/0.488	0.64	1.52	14.1	330
95780XX	4P	16	7/0.488	0.64	1.52	15.4	423
95780XX	5P	16	7/0.488	0.64	1.52	16.9	509
95780XX	7P	16	7/0.488	0.64	1.52	18.4	560
95780XX	9P	16	7/0.488	0.64	2.03	22.5	769
95780XX	12P	16	7/0.488	0.64	2.03	25.3	969
95780XX	19P	16	7/0.488	0.64	2.03	29.6	1313
95881XX	2T	18	7/0.386	0.64	1.14	12.4	256
95881XX	3T	18	7/0.386	0.64	1.14	13.2	320
95881XX	4T	18	7/0.386	0.64	1.52	15.2	458
95881XX	5T	18	7/0.386	0.64	1.52	16.6	542
95881XX	7T	18	7/0.386	0.64	1.52	18.1	595
95881XX	9T	18	7/0.386	0.64	1.52	21.2	734
95881XX	12T	18	7/0.386	0.64	2.03	24.9	1019
95881XX	19T	18	7/0.386	0.64	2.03	29.1	1354
95880XX	2T	16	7/0.488	0.64	1.52	14.1	332
95880XX	3T	16	7/0.488	0.64	1.52	14.9	447
95880XX	4T	16	7/0.488	0.64	1.52	16.3	579
95880XX	5T	16	7/0.488	0.64	1.52	17.9	692
95880XX	7T	16	7/0.488	0.64	1.52	19.5	766
95880XX	9T	16	7/0.488	0.64	2.03	23.9	1055
95880XX	12T	16	7/0.488	0.64	2.03	26.8	1328
95880XX	19T	16	7/0.488	0.64	2.03	31.4	1798



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