



Siechem A T C Conductor, EBXL - XLPE 120°C Insulated, Individually & Overall Shielded wire Aluminium tape & ATC drain wire CSPE Sheathed multi pairs/multi triads 600 V rated Instrumentation 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

- ✓ Rated at 90°C wet or dry
- ✓ Fully traceable
- ✓ Qualified for 40-year service life
- ✓ Radiation resistant (up to 200 megarads)
- ✓ Maximum flame-retardancy
- ✓ Long-term moisture and radiation stability

Product Construction

- ✓ Conductor : Annealed Tinned copper as per ASTM B33
- ✓ Insulation : Flame-retardant, heat-moisture -and radiation-resistant, thermoset cross-Linked polyethylene (EBXL-XLPE 120°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.

Technical Data

- ✓ Rated voltage : 600 V
- ✓ Temperature rating : 120°C
- ✓ Specification : (1)Class IE Qualified in accordance with IEEE 323-1974 and IEEE 383-1974
(3) ICEA S-73-532



Part Number	No.of Cond.	Cond. Size (AWG)	Cond. Strand	Insulation Thickness (Nom.)	Jacket Thickness	Cable Diameter (Nom.)	Copper Index (approx.)	Cable Weight (approx.)
				mm	mm	mm	kg/km	kg/km
958 81 XX	2	18	7/0.386	0.64	1.14	12.4	60	256
958 81 XX	3	18	7/0.386	0.64	1.14	13.2	87	320
958 81 XX	4	18	7/0.386	0.64	1.52	15.2	115	458
958 81 XX	5	18	7/0.386	0.64	1.52	16.6	143	542
958 81 XX	7	18	7/0.386	0.64	1.52	18.1	198	595
958 81 XX	9	18	7/0.386	0.64	1.52	21.2	253	734
958 81 XX	12	18	7/0.386	0.64	2.03	24.9	336	1019
958 81 XX	19	18	7/0.386	0.64	2.03	29.1	530	1354
958 80 XX	2	16	7/0.488	0.64	1.52	14.1	96	332
958 80 XX	3	16	7/0.488	0.64	1.52	14.9	139	447
958 80 XX	4	16	7/0.488	0.64	1.52	16.3	185	579
958 80 XX	5	16	7/0.488	0.64	1.52	17.9	229	692
958 80 XX	7	16	7/0.488	0.64	1.52	19.5	317	766
958 80 XX	9	16	7/0.488	0.64	2.03	23.9	405	1055
958 80 XX	12	16	7/0.488	0.64	2.03	26.8	537	1328
958 80 XX	19	16	7/0.488	0.64	2.03	31.4	847	1798



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