

# Jelly Filled Armoured Cable

## Construction & Characteristics

<b>Type</b>	: T – E J (Pem) E
<b>Specification</b>	: STEL-K-007/SII.0617-82
<b>Application</b>	: Cable for Secondary Circuit Direct Burial / Underground
<b>Size Range</b>	: 10... 1200 x 2 x 0.4 mm 10... 800 x 2 x 0.6 mm 10... 400 x 2 x 0.8 mm

### Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Solid Polyethylene
3. Water Protective : Jelly Filing Compound
4. Core Covering : Helically Overlapped Crepe Paper Tape
5. Screen : Longitudinally Overlapped Aluminium Tape
6. Inner Sheath : Extruded Black Polyethylene
7. Armour : Helically Overlapped Galvanized Steel Tape (Double Coated)
8. Outer Sheath : Extruded Black Polyethylene



Cable Size		Wall thickness			Overall Diameter	Net. Weight	Resistance at 20°C		Mutual Capacitance	Standard Length	Drum Size
Capacity	Conductor Diameter	Insulation	Inner Sheath	Outer Sheath			Conductor	Insulation			
Pairs	Nom. mm	Nom. mm	Nom. mm	Nom. mm	Approx. mm	Approx. kg/km	Max. Ohm/km	Min. M. Ohm.km	Max. nF/km	m	–
10	0.4	0.26	1.8	1.4	18	300	150	10.000	50	1000	121
20	0.4	0.26	1.8	1.4	20	406	150	10.000	50	1000	121
30	0.4	0.26	1.8	1.4	22	502	150	10.000	50	1000	121
40	0.4	0.26	1.8	1.4	24	560	150	10.000	50	1000	141
50	0.4	0.26	1.8	1.4	25	640	150	10.000	50	1000	141
60	0.4	0.26	1.8	1.4	27	700	150	10.000	50	1000	161
80	0.4	0.26	1.8	1.4	30	825	150	10.000	50	1000	161
100	0.4	0.26	1.8	1.4	32	950	150	10.000	50	1000	161
120	0.4	0.26	2.0	1.8	34	1190	150	10.000	50	1000	161
150	0.4	0.26	2.0	1.8	37	1345	150	10.000	50	1000	201
200	0.4	0.26	2.0	1.8	41	1670	150	10.000	50	1000	201
250	0.4	0.26	2.2	2.2	42	2050	150	10.000	50	1000	221
300	0.4	0.26	2.2	2.2	45	2402	150	10.000	50	1000	221
400	0.4	0.26	2.2	2.2	51	3010	150	10.000	50	500	201
500	0.4	0.26	2.6	2.6	56	3750	150	10.000	50	500	201
600	0.4	0.26	2.6	2.6	61	4310	150	10.000	50	500	221
800	0.4	0.26	3.0	3.0	69	5526	150	10.000	50	500	250
1000	0.4	0.26	3.0	3.0	77	6720	150	10.000	50	250	221
1200	0.4	0.26	3.4	3.4	83	8040	150	10.000	50	250	221



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Cable Size		Wall thickness			Overall Diameter	Net. Weight	Resistance at 20°C		Mutual Capacitance	Standard Length	Drum Size
Capacity	Conductor Diameter	Insulation	Inner Sheath	Outer Sheath			Conductor	Insulation			
Pairs	Nom. mm	Nom. mm	Nom. mm	Nom. mm	Approx. mm	Approx. kg/km	Max. Ohm/km	Min. M. Ohm.km	Max. nF/km	m	-
10	0.6	0.32	1.8	1.4	19	392	65	10.000	55	1000	121
20	0.6	0.32	1.8	1.4	24	535	65	10.000	55	1000	121
30	0.6	0.32	1.8	1.4	27	675	65	10.000	55	1000	141
40	0.6	0.32	1.8	1.4	29	810	65	10.000	55	1000	161
50	0.6	0.32	1.8	1.4	31	955	65	10.000	55	1000	161
60	0.6	0.32	1.8	1.8	33	1115	65	10.000	55	1000	161
80	0.6	0.32	2.0	1.8	37	1385	65	10.000	55	1000	181
100	0.6	0.32	2.0	1.8	40	1700	65	10.000	55	1000	201
120	0.6	0.32	2.0	1.8	41	1888	65	10.000	55	1000	201
150	0.6	0.32	2.2	2.2	45	2320	65	10.000	55	1000	221
200	0.6	0.32	2.2	2.2	49	2940	65	10.000	55	1000	251
250	0.6	0.32	2.6	2.6	59	3620	65	10.000	55	500	250
300	0.6	0.32	2.6	2.6	59	4220	65	10.000	55	500	221
400	0.6	0.32	2.6	3.0	68	5440	65	10.000	55	500	221
500	0.6	0.32	2.6	3.0	74	6835	65	10.000	55	250	201
600	0.6	0.32	3.0	3.4	81	8140	65	10.000	55	250	221
800	0.6	0.32	3.4	3.8	92	10350	65	10.000	55	250	251



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Capacity	Conductor Diameter	Insulation	Inner Sheath	Outer Sheath			Conductor	Insulation			
Pairs	Nom. mm	Nom. mm	Nom. mm	Nom. mm	Approx. mm	Approx. kg/km	Max. Ohm/km	Min. M. Ohm.km	Max. nF/km	m	-
10	0.8	0.4	1.8	1.4	22	485	36.5	10.000	55	1000	121
20	0.8	0.4	1.8	1.8	27	755	36.5	10.000	55	1000	162
30	0.8	0.4	1.8	1.8	31	980	36.5	10.000	55	1000	161
40	0.8	0.4	1.8	1.8	34	1190	36.5	10.000	55	1000	161
50	0.8	0.4	2.0	1.8	37	1415	36.5	10.000	55	1000	181
60	0.8	0.4	2.0	1.8	39	1615	36.5	10.000	55	1000	201
80	0.8	0.4	2.0	2.2	41	2050	36.5	10.000	55	1000	221
100	0.8	0.4	2.2	2.2	46	2490	36.5	10.000	55	1000	221
120	0.8	0.4	2.2	2.2	49	2900	36.5	10.000	55	1000	251
150	0.8	0.4	2.6	2.6	53	3600	36.5	10.000	55	1000	250
200	0.8	0.4	2.6	2.6	60	4520	36.5	10.000	55	500	221
250	0.8	0.4	3.0	3.0	68	5605	36.5	10.000	55	250	201
300	0.8	0.4	3.0	3.0	72	6800	36.5	10.000	55	250	201
400	0.8	0.4	3.4	3.4	83	9100	36.5	10.000	55	250	221