



0.6/1 kV V-90/X-90 Insulated PVC Sheathed Orange Circular Cable

APPLICATION:

This product is suitable for mains, sub-mains, and sub-circuits in buildings and industrial plants that are free from mechanical damage. It can be installed unenclosed, enclosed in conduits for direct burial, or placed in underground ducts, and is compatible with glanding systems.

CABLE STRUCTURE:

Conductor:

Plain annealed copper (AS/NZS 1125)

Insulation:

PVC V-90/XLPE X-90

Sheath:

PVC 5V-90

TECHNICAL DATA:

Rated voltage:

0.6/1 kV

Rated Temperature:

90°C

COLOR:

2 Core+Earth (Red,Black,Green/Yellow)

3 Core+Earth (Red,White,Blue,Green/Yellow)

4 Core+Earth (Red,White,Blue, Black,Green/Yellow)

STANDARDS:

Product:

AS/NZS 5000.1

Electric cables - Polymeric insulated -
For working voltages up to and including
0.6/1 (1.2) kV

Conductor:

AS/NZS 1125

Conductors in insulated electric cables
and flexible cords

Insulation & Sheath:

AS/NZS 3808

Insulating and sheathing materials
for electric cables

CERTIFICATES:

We hold SAA certifications for our product categories. Additionally, we possess authoritative certifications recognized in other countries and regions.





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Specifications: (PVC V-90)

Part No.	Stranding							Insulation thickness		Sheath thickness	Nom. Outer. D	Approx Max
	Spec	Phrase (strand count)	Phrase (strand diameter)	Phrase (conductor outer diameter)	Earth (strand count)	Earth (strand diameter)	Earth (conductor outer diameter)	Conductor	Earth			
		No.	mm	mm	No.	mm	mm	mm	mm	mm	mm	kg/km
TH2X1.5SE	2 × 7/0.5+7/0.5E	7	0.5	1.5	7	0.5	1.5	0.7	0.5	1.8	9.9	128
TH2X2.5SE	2 × 7/0.67+7/0.67E	7	0.67	2.01	7	0.67	2.01	0.7	0.6	1.8	11	170
TH2X4.0SE	2 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	0.7	0.7	1.8	12.1	214
TH2X6.0SE	2 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	0.7	0.7	1.8	13.4	267
TH2X10SE	2 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	0.7	0.7	1.8	15.4	384
TH2X16SE	2 × 7/1.70+7/1.04E	7	1.7	5.1	7	1.04	3.12	0.7	0.7	1.8	17.6	543
TH2X25SE	2 × 19/1.35+7/1.04E	19	1.35	6.75	7	1.04	3.12	0.9	0.7	1.8	22.1	830
TH2X35SE	2 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	0.9	0.7	1.8	24	1042
TH2X50SE	2 × 19/1.78+7/1.70E	19	1.78	8.9	7	1.7	5.1	1	0.7	1.8	27.1	1384
TH2X70SE	2 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.35	6.75	1.1	0.9	1.9	31.7	1981
TH2X95SE	2 × 37/1.78+19/1.35E	37	1.78	12.46	19	1.35	6.75	1.1	0.9	2.1	35.9	2531
TH3X1.5SE	3 × 7/0.5+7/0.5E	7	0.5	1.5	7	0.5	1.5	0.7	0.5	1.8	10.6	149
TH3X2.5SE	3 × 7/0.67+7/0.67E	7	0.67	2.01	7	0.67	2.01	0.7	0.6	1.8	11.9	207
TH3X4.0SE	3 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	0.7	0.7	1.8	13.2	267
TH3X6.0SE	3 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	0.7	0.7	1.8	14.5	341
TH3X10SE	3 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	0.7	0.7	1.8	16.8	500
TH3X16SE	3 × 7/1.70+7/1.04E	7	1.7	5.1	7	1.04	3.12	0.7	0.7	1.8	19.3	718
TH3X25SE	3 × 19/1.35+7/1.04E	19	1.35	6.75	7	1.04	3.12	0.9	0.7	1.8	24.3	1124
TH3X35SE	3 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	0.9	0.7	1.8	26.5	1412
TH3X50SE	3 × 19/1.78+7/1.70E	19	1.78	8.9	7	1.7	5.1	1	0.7	1.9	30.2	1892
TH3X70SE	3 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.35	6.75	1.1	0.9	2.1	35.4	2717
TH3X95SE	3 × 37/1.78+19/1.35E	37	1.78	12.46	19	1.35	6.75	1.1	0.9	2.2	39.9	3486
TH3X120SE	3 × 37/2.03+19/1.53E	37	2.03	14.21	19	1.53	7.65	1.2	0.9	2.3	44.8	4467
TH4X1.5SE	4 × 7/0.5+7/0.5E	7	0.5	1.5	7	0.5	1.5	0.7	0.5	1.8	11.4	175
TH4X2.5SE	4 × 7/0.67+7/0.67E	7	0.67	2.01	7	0.67	2.01	0.7	0.6	1.8	12.8	245
TH4X4.0SE	4 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	0.7	0.7	1.8	14.3	322
TH4X6.0SE	4 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	0.7	0.7	1.8	15.8	418
TH4X10SE	4 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	0.7	0.7	1.8	18.3	619
TH4X16SE	4 × 7/1.70+7/1.04E	7	1.7	5.1	7	1.04	3.12	0.7	0.7	1.8	21.2	897
TH4X25SE	4 × 19/1.35+7/1.04E	19	1.35	6.75	7	1.04	3.12	0.9	0.7	1.8	26.7	1424
TH4X35SE	4 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	0.9	0.7	1.9	29.3	1803
TH4X50SE	4 × 19/1.78+7/1.70E	19	1.78	8.9	7	1.7	5.1	1	0.7	2	33.4	2413
TH4X70SE	4 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.35	6.75	1.1	0.9	2.2	39.2	3457
TH4X95SE	4 × 37/1.78+19/1.35E	37	1.78	12.46	19	1.35	6.75	1.1	0.9	2.4	44.4	4484



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Specifications: (XLPE X-90)

Part No.	Stranding							Insulation thickness		Sheath thickness	Nom. Outer.D	Approx Max
	Spec	Phrase (strand count)	Phrase (strand diameter)	Phrase (conductor outer diameter)	Earth (strand count)	Earth (strand diameter)	Earth (conductor outer diameter)	Conductor	Earth			
		No.	mm	mm	No.	mm	mm	mm	mm	mm	mm	kg/km
TH2X1.5SE	2 × 7/0.5+7/0.5E	7	0.5	1.5	7	0.5	1.5	0.8	0.6	1.8	10.3	143
TH2X2.5SE	2 × 7/0.67+7/0.67E	7	0.7	2.0	7	0.7	2.0	0.8	0.7	1.8	11.4	188
TH2X4.0SE	2 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	1.0	0.7	1.8	13	251
TH2X6.0SE	2 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	1.0	0.7	1.8	14.7	308
TH2X10SE	2 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	1.0	1.0	1.8	16.7	436
TH2X16SE	2 × 7/1.70+7/1.04E	7	1.70	5.10	7	1.04	3.12	1.0	1.0	1.8	18.9	602
TH2X25SE	2 × 19/1.35+7/1.04E	19	1.4	6.8	7	1.04	3.12	1.2	1.0	1.8	23.4	907
TH2X35SE	2 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	1.2	1.0	1.8	25.3	1127
TH2X50SE	2 × 19/1.78+7/1.70E	19	1.78	8.90	7	1.70	5.10	1.4	1.0	1.8	29	1503
TH2X70SE	2 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.4	6.8	1	1.2	1.9	33.0	2105
TH2X95SE	2 × 37/1.78+19/1.35E	37	1.78	12.5	19	1.35	6.75	1.6	1.2	2.1	38.0	2719
TH3X1.5SE	3 × 7/0.5+7/0.5E	7	0.50	1.50	7	0.50	1.50	0.8	0.6	1.8	11.1	169
TH3X2.5SE	3 × 7/0.67+7/0.67E	7	0.7	2.0	7	0.7	2.0	0.8	0.7	1.8	12.3	230
TH3X4.0SE	3 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	1.0	0.7	1.8	14.6	316
TH3X6.0SE	3 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	1.0	0.7	1.8	16.0	395
TH3X10SE	3 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	1.0	1.0	1.8	18.2	567
TH3X16SE	3 × 7/1.70+7/1.04E	7	1.70	5.10	7	1.04	3.12	1.0	1.0	1.8	20.8	796
TH3X25SE	3 × 19/1.35+7/1.04E	19	1.4	6.8	7	1.04	3.12	1.2	1.0	1.8	25.7	1226
TH3X35SE	3 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	1.2	1.0	1.8	27.9	1525
TH3X50SE	3 × 19/1.78+7/1.70E	19	1.78	8.90	7	1.70	5.10	1.4	1.0	1.9	32.1	2052
TH3X70SE	3 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.4	6.8	1	1.2	2.1	36.9	2885
TH3X95SE	3 × 37/1.78+19/1.35E	37	1.78	12.5	19	1.35	6.75	1.6	1.2	2.2	42.3	3739
TH3X120SE	3 × 37/2.03+19/1.53E	37	2.03	14.21	19	1.53	7.65	1.6	1.2	2.3	46.7	4721
TH4X1.5SE	4 × 7/0.5+7/0.5E	7	0.50	1.50	7	0.50	1.50	0.8	0.6	1.8	12.0	199
TH4X2.5SE	4 × 7/0.67+7/0.67E	7	0.7	2.0	7	0.7	2.0	0.8	0.7	1.8	13.3	274
TH4X4.0SE	4 × 7/0.85+7/0.67E	7	0.85	2.55	7	0.67	2.01	1.0	0.7	1.8	15.9	384
TH4X6.0SE	4 × 7/1.04+7/0.67E	7	1.04	3.12	7	0.67	2.01	1.0	0.7	1.8	17.4	485
TH4X10SE	4 × 7/1.35+7/0.85E	7	1.35	4.05	7	0.85	2.55	1.0	1.0	1.8	19.9	703
TH4X16SE	4 × 7/1.70+7/1.04E	7	1.70	5.10	7	1.04	3.12	1.0	1.0	1.8	22.8	994
TH4X25SE	4 × 19/1.35+7/1.04E	19	1.4	6.8	7	1.04	3.12	1.2	1.0	1.8	28.3	1553
TH4X35SE	4 × 19/1.53+7/1.35E	19	1.53	7.65	7	1.35	4.05	1.2	1.0	1.9	30.9	1946
TH4X50SE	4 × 19/1.78+7/1.70E	19	1.78	8.90	7	1.70	5.10	1.4	1.0	2.0	35.6	2616
TH4X70SE	4 × 19/2.14+19/1.35E	19	2.14	10.7	19	1.4	6.8	1	1.2	2	40.9	3669
TH4X95SE	4 × 37/1.78+19/1.35E	37	1.78	12.5	19	1.35	6.75	1.6	1.2	2.4	47.1	4807