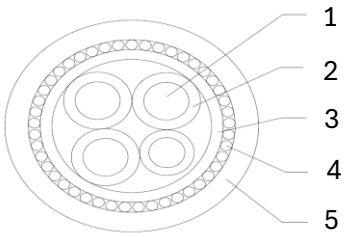
PACIFIC
MINE SUPPLIES

Technical Specification

Orange Circular Cable 0.6/1kV 3C+E,
CU/XPLE/PVC/SWA/PVC

1 Construction

	Item	Specification
1	Conductor	Class 2 Plain Annealed Copper
2	Insulation	XLPE, X-90
3	Inner Covering	PVC, 5V-90
4	Armour	Galvanised Steel Wire Armour
5	Sheath	PVC, 5V-90



2 Cable Identification

1	Core	Red, White, Blue, Earth- Yellow/Green
2	Sheath	Orange
3	Markings	PacMin, CU/XLPE/PVC/SWA/PVC, 0.6-1kV,

3 Standard Compliance

1	AS/NZS 5000.1
2	AS/NZS 3808
3	AS/NZS 1125
4	IEC 60332-3-24
5	IEC 60332-1

4 Operational Ratings

	Item	Specification
1	Voltage Rating	AC 0.6/1(1.2)kV
2	Operating Temperature	-20~90^{o}C

5 Structural Details

	No. of cores × Cross sectional Area	Structure of conductor	Approx. dia. Of Conductor	Nominal thickness Of Insulation	Nominal thickness of Sheath	Max OD of Cable	Approx. weight of
	no. x sqmm	no./mm	mm	mm	mm	mm	kg/m
1	3×150+E50	36/2.32、10/2.54	14.6/8.0	1.4/1.0	2.5	55	7.631
2	3×120+E35	19/2.89、7/2.54	13.0/7.0	1.2/0.9	2.4	49	5.871
3	3×95+E25	19/2.54、7/2.18	11.8/6.0	1.1/0.9	2.2	45.5	4.876
4	3×70+E25	19/2.18、7/2.18	10.0/6.0	1.1/0.9	2.1	42	4.002
5	3×50+E16	10/2.54、7/1.70	8.0/4.8	1.0/0.7	1.9	35.5	2.765
6	3×35+E10	7/2.54、7/1.35	7.0/3.8	0.9/0.7	1.8	31.5	2.151
7	3×25+E6	7/2.18、1/2.70	6.0/2.7	0.9/0.7	1.8	29	1.709
8	3×16+E6	7/1.70、1/2.70	4.8/2.7	0.7/0.7	1.8	25.5	1.195

6 Electrical Detials

	No. of cores × Cross sectional Area	Max DC Resistance of Conductor 20C	Voltage Test	Current Capacity	
				In Air @ 40°C	Direct Burial @ 25°C 1.0K.m/W
	no. x sqmm	Ω/km	kV/min, no. Breakdown	A	A
1	3×150+E50	0.124/0.387	3.5/5	345	380
2	3×120+E35	0.153/0.524	3.5/5	305	335
3	3×95+E25	0.193/0.727	3.5/5	260	300
4	3×70+E25	0.268/0.727	3.5/5	210	245
5	3×50+E16	0.387/1.15	3.5/5	165	200
6	3×35+E10	0.524/1.83	3.5/5	135	170
7	3×25+E6	0.727/3.08	3.5/5	110	140
8	3×16+E6	1.15/3.08	3.5/5	83	110