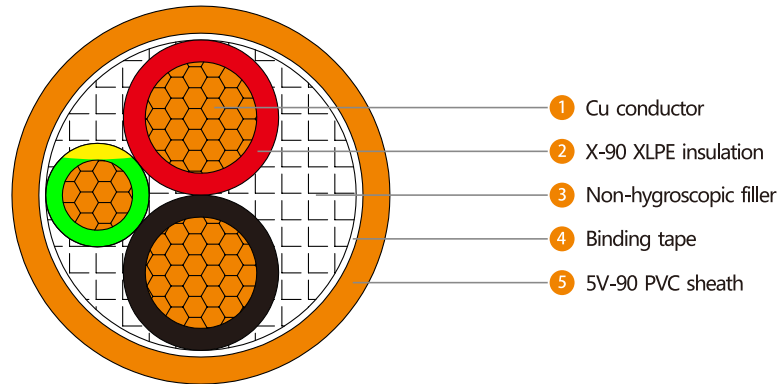


# XLPE/PVC Circular 2 Core & Earth



- ① Cu conductor
- ② X-90 XLPE insulation
- ③ Non-hygroscopic filler
- ④ Binding tape
- ⑤ 5V-90 PVC sheath

## Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

## Structural Parameters:

Nominal conductor area mm <sup>2</sup>	Nominal earth conductor area mm <sup>2</sup>	Approx. diameter of phase conductor mm	Conductor Type	Approx. diameter of earth conductor mm	Conductor Type	Nominal thickness of insulation of phase conductor mm	Nominal thickness of insulation of earth conductor mm	Nominal thickness of outer sheath mm	Approx. overall diameter of cable mm	Approx. weight of cable kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	1.8	12.7	139
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	13.8	179
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	14.5	218
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	15.5	267
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	1.8	16.9	376
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	1.8	18.9	526
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	1.8	22.1	745
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	1.8	24.1	989
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	1.8	26.6	1312
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	1.8	30.6	1853
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	1.9	34.2	2397
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	2.0	38.1	3047
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	2.2	42.1	3787
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	2.3	46.7	4791
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	2.5	52.3	6243
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	2.6	57.6	7760
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	2.9	65.4	9580