



P-Temp-500



Product application:

This high performance cable is designed to operate under more arduous high temperature conditions, providing moisture resistance, toughness, flexibility and a continuous conductor operating temperature of 450°C.

Product characteristic:

Construction:

- Fine nickel plated copper wire strands
- Glass fiber woven mica tape
- Varnished color glass fiber woven mica tape for insulation
- Mica tape, impregnated and varnished glass fibre braid for outer sheath
- Standard colour is white, other colours to special order

Technical:

- Working voltage :300/500V
- Temperature range: Continuous 500°C
- Core concentricity: $\geq 70\%$

Properties:

- Good flexibility installation
- Service temperature upto 500°C
- Good resistance to high temperature, oil and chemical
- Good resistance to abrasion or mechanical damage



High Temperature P-Temp-500 Cable

www.caledonian-cables.co.uk

Product specification:

AWG	Strand x Diameter mm	Conductor Cross Section mm ²	Nominal Insulation Thickness mm	Nominal Diameter over Single Core mm
20	7 × 0.3	0.5	0.5	2.3 ± 0.3
18	11 × 0.3	0.75	0.5	2.5 ± 0.3
17	14 × 0.3	1	0.5	2.6 ± 0.3
16	21 × 0.3	1.5	0.5	2.9 ± 0.3
14	35 × 0.3	2.5	0.6	3.6 ± 0.5
12	56 × 0.3	4	0.8	4.7 ± 0.5
10	84 × 0.3	6	0.8	5.5 ± 0.5
8	84 × 0.4	10	0.8	6.6 ± 0.5
6	228 × 0.3	16	0.8	7.8 ± 0.5
6	126 × 0.4	16	0.8	7.8 ± 0.5
4	196 × 0.4	25	0.8	9.5 ± 0.5
4	361 × 0.3	25	0.8	9.5 ± 0.5
2	494 × 0.3	35	1	11.2 ± 1.0
1	396 × 0.4	50	1.2	13.2 ± 1.0
1	703 × 0.3	50	1.2	13.2 ± 1.0
2/0	551 × 0.4	70	1.2	15.4 ± 1.0
2/0	988 × 0.3	70	1.2	15.4 ± 1.0
3/0	760 × 0.4	95	1.2	17.4 ± 1.0

*other specifications are available upon request