

High Temperature

Glass Insulated, Nickel Conductor Single Core Cables 350°C



Application:

Suitable for high ambient temperature environments up to 350°C

Benefits	
High Temperature Rating	Glass insulated pure nickel conductors are suitable for use in very high temperature environments
Pure Nickel Conductors	Nickel conductors offer high strength and corrosion resistance at elevated temperatures where copper and tinned copper degrade
Flexible Stranding	Class 5 flexible conductor stranding
Abrasion Resistant	Silicone varnish impregnated, glass braided insulation provides excellent abrasion resistance
Reduced Diameter	Double fine and super fine options are available to fit specific inserts
Wide Choice Available	A variety of colours available ex-stock

Features	
✓	Pure nickel conductors are suitable for operation up to 350°C
✓	Class 5 stranding allows increased flexibility
✓	Double glass braid for high insulation resistance
✓	Silicone varnish and double glass braid for 100% coverage

Construction	
Conductor	Pure nickel wire, class 5 stranding
Insulation	Double glass fibre braid impregnated with silicone varnish
Colours	Blue, black, green, natural, red and white

Ratings	
Temperature	0°C to + 350°C
Voltage	0.6/1kV*
Applicable Standards	AS/NZS3158†



Flexible Conductor:
Class 5



Pure Nickel



Minimum Service
Temperature:
0°C



Maximum Service
Temperature:
350°C



Impact Resistant



Abrasion Resistant



Flame Non-Propagation



Minimum Recommended
Bend Radius Fixed 6 x OD

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Pure Nickel/Glass braided 350°C[†]

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
32760	0.5	16/0.20	2.9	9
33160	0.75	24/0.20	3.2	14
33520	1	32/0.20	3.5	23
33840	1.5	30/0.25	3.7	26
34160	2.5	50/0.25	4.0	38
34440	4	56/0.30	4.9	52

Pure Nickel/Glass braided 350°C Super Fine*

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
34970	0.5	16/0.20	1.95	9
34945	0.75	24/0.20	2.0	11
34950	1	32/0.20	2.2	16
34960	1.5	30/0.25	2.4	18

Pure Nickel/Glass braided 350°C Double Fine*

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
35000	0.5	16/0.20	2.1	10
35280	0.75	24/0.20	2.4	11
35560	1	32/0.20	2.6	16
35840	1.5	30/0.25	2.8	18

*Super fine and double fine nickel cables have reduced insulation thicknesses to fit specific inserts. 0.6/1kV voltage rating does not apply

[†]Pure nickel conductors are generally to AS/NZS 3158 as the standard covers up to class 27(27% nickel)

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