

# CONTROL & INTRUMENTATION CABLE

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# Control Cable (HMC)

450/750V V90HT PVC insulated

## Applications

Cable used in Control, Signal, Lighting and Entertainment.

## Product Specifications

### Construction:

**Conductor:** Tinned Class 102 stranded copper to AS/NZS1574

**Insulation:** Coloured V90HT PVC to AS/NZS 3808

**Sheath:** Coloured V90HT PVC to AS/NZS3808 – Grey

**Relevant Standard :** AS/NZS5000.3, AS/NZS5000.1, AS/NZS1574, and AS/NZS3808

**Core Configuration:** White Numbered Cores with a Green/Yellow Earth



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
HMC02/0.5	2	0.5	16/0.2	39	6.6
HMC03/0.5	3	0.5	16/0.2	39	6.9
HMC04/0.5	4	0.5	16/0.2	39	7.5
HMC05/0.5	5	0.5	16/0.2	39	8.1
HMC07/0.5	7	0.5	16/0.2	39	8.9
HMC12/0.5	12	0.5	16/0.2	39	11.5
HMC18/0.5	18	0.75	16/0.2	39	13.5
HMC03/0.75	3	0.75	24/0.2	26	7.5
HMC04/0.75	4	0.75	24/0.2	26	8.1
HMC05/0.75	5	0.75	24/0.2	26	8.9
HMC07/0.75	7	0.75	24/0.2	26	9.7
HMC12/0.75	12	0.75	24/0.2	26	12.5
HMC18/0.75	18	0.75	24/0.2	26	14.7
HMC25/0.75	25	0.75	24/0.2	26	17.3
HMC04/1.0	4	1	32/0.2	19.5	8.6
HMC05/1.0	5	1	32/0.2	19.5	9.2
HMC07/1.0	7	1	32/0.2	19.5	10.3
HMC09/1.0	9	1	32/0.2	19.5	11.9
HMC12/1.0	12	1	32/0.2	19.5	12.8
HMC18/1.0	18	1	32/0.2	19.5	15.5
HMC02/1.5	2	1.5	30/0.25	13.3	7.9
HMC03/1.5	3	1.5	30/0.25	13.3	8.3
HMC04/1.5	4	1.5	30/0.25	13.3	9.1
HMC05/1.5	5	1.5	30/0.25	13.3	10.0
HMC07/1.5	7	1.5	30/0.25	13.3	10.9
HMC12/1.5	12	1.5	30/0.25	13.3	14.2
HMC19/1.5	19	1.5	30/0.25	13.3	16.5
HMC27/1.5	27	1.5	30/0.25	13.3	19.9
HMC03/2.5	3	2.5	54/0.25	8	10.3
HMC04/2.5	4	2.5	54/0.25	8	11.4
HMC07/2.5	7	2.5	54/0.25	8	13.7
HMC12/2.5	12	2.5	54/0.25	8	18.0
HMC19/2.5	19	2.5	54/0.25	8	21.2

# Instrumentation Cable (IPT)

V90HT PVC insulated

## Applications

Signal and Control of machinery, Data Transfer

## Product Specifications

CS Overall, ES Individual and Individual and Overall ESCS Screened Available.

### Construction:

**Conductor:** Tinned Annealed Copper to AS/NZS1125,

Drawn from Class 102 copper to AS/NZS1574,

**Insulation:** Coloured V90HT PVC to AS/NZS3808

**Sheath:** Coloured V90HT PVC to AS/NZS3808

**Core Identification:** Pairs laid up White & Black



Code	No. of Pairs	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD	Electrical Resistance @ 20°C (Ω/KM)
<b>Overall Screened</b>						
IPT2703	1	0.5	16/0.2	38.4	6.9	145
IPT3703	Triple	0.5	16/0.2	38.4	7	145
IPT4703	2	0.5	16/0.2	38.4	7	145
IPT8703	4	0.5	16/0.2	38.4	9.8	145
IPT12703	6	0.5	16/0.2	38.4	12.9	145
IPT16703	8	0.5	16/0.2	38.4	14.6	145
IPT2705	1	1.5	7/0.5	13.8	8.3	200
IPT3705	Triple	1.5	7/0.5	13.8	8.3	200
IPT4705	2	1.5	7/0.5	13.8	8.9	200
IPT8705	4	1.5	7/0.5	13.8	9.7	200
<b>Individual Screened</b>						
IQT4703	2	0.5	16/0.2	38.4	7.5	145
IQT8703	4	0.5	16/0.2	38.4	10.2	145
<b>Overall and Individual Screened</b>						
IPBT4703	2	0.5	16/0.2	38.4	8.2	145
IPBT8703	4	0.5	16/0.2	38.4	11	145

\*Voltage rating = 300/500V\*