

# HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

## HEATSENSE SPECIFICATION DATA SHEET

<b><u>CABLE TYPE</u></b>	<b>HEATSENSE REFERENCE: HS3597</b>
<b><u>GENERAL DESCRIPTION</u></b>	<b>10.00mm<sup>2</sup> PTFE INSULATED CABLE, 80/0.400mm NPCW, PTFE SKIVED TAPED WITH POLYIMIDE TAPE, PTFE TAPED OVERALL JACKET.</b>
<b><u>RELEVANT STANDARDS</u></b>	<b>INTERNAL HEATSENSE SPECIFICATION</b>

<b>COMPONENT</b>	<b>MATERIAL BREAKDOWN</b>	<b>DIAMETER (nom) mm</b>
Conductor	80/0.400mm NICKEL PLATED COPPER – 10.00mm <sup>2</sup>	4.20
Dielectric	PTFE SKIVED TAPE OF NOMINAL WALL THICKNESS 0.15mm	4.50
Tape	1 LAP OF POLYIMIDE TAPE	4.60
Jacket	TAPED & SINTERED PTFE TO NOMINAL WALL THICKNESS 0.60mm White	5.80 +/- 0.30mm

### CABLE CHARACTERISTICS

<b>VOLTAGE RATING:</b>	<b>600 V RMS</b>
<b>TEMPERATURE RATING:</b>	<b>-190°C to +260°C</b>
<b>CONDUCTOR RESISTANCE:</b>	<b>1.92 Ω/KM MAXIMUM @ 20°C</b>
<b>BEND RADIUS:</b>	<b>15 x DIAMETER</b>
<b>CABLE WEIGHT:</b>	<b>119.16 KG/KM NOMINAL</b>
<b>DIMENSIONS:</b>	<b>5.80mm NOMINAL</b>

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