

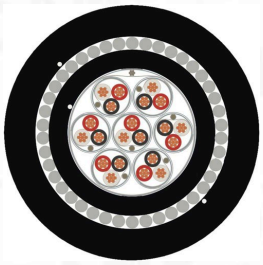
PART NO. 431050ISA

RE-H(St)HSWAH-PiMF/TiMF Instrumentation Cable, 1.00 mm²

CAMCOM™

Detailed Specifications & Technical Data

CROSS SECTION



1 Conductor
2 Insulation
3 Individual Stranding
4 Individual Wrapping
5 Individual Screen
6 Overall Stranding
7 Overall Wrapping
8 Overall Screen

CABLE CONSTRUCTION

Conductor	: Stranded electrolytic copper conductor (Class 2) (IEC 60228, EN 60228, DIN VDE 0295)
Insulation	: Halogen-free (BS EN 50290-2, VDE 0207 YI1), Black, White, Red; Number coded (BS 5308-2)
Individual Stranding	: Insulations stranding into pairs or triads
Individual Wrapping	: Polyester tape
Individual Screen	: Tinned copper earthing wire, Al/PET tape
Overall Stranding	: Screened pairs or triads are stranded in layers.
Overall Wrapping	: Polyester tape
Overall Screen	: Tinned copper earthing wire, Al/PET tape
Inner Jacket	: Halogen-free inner jacket. RAL 9005 (Black)
Armor	: Galvanized steel wire armor, polyester tape
Outer Jacket	: UV resistant halogen-free outer jacket. RAL 9005 (Black)

TECHNICAL DATA

Conductor Diameter	: 1.00 mm²
Conductor Resistance Ω/km (20 °C)	: 18.1
Insulation Resistance (@500V DC) MΩ/km	: 100
Mutual Capacitance nF/km	: 100
Operating Voltage V DC	: 300/500
Test Voltage (@ 1 minute) V DC	: 2000

STANDARDS

Manufacturing Referance	: EN 50288-7 or IEC 60502-1
Smoke Density Test	: IEC 61034-2, VDE 0482-1034-2, BS EN 61034-2
Corrosive Gas Test	: IEC 60754-2, VDE 0482-267-2-3, BS EN 50267-2-3
Halogen-free Test	: IEC 60754-1, VDE 0482-267-2-1, BS EN 50267-2-1
Flame Propagation Test	: IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-2-24
Flame Retardancy Test	: IEC 60332-1-2, VDE 0482-332-1-2, BS EN 60332-1-2

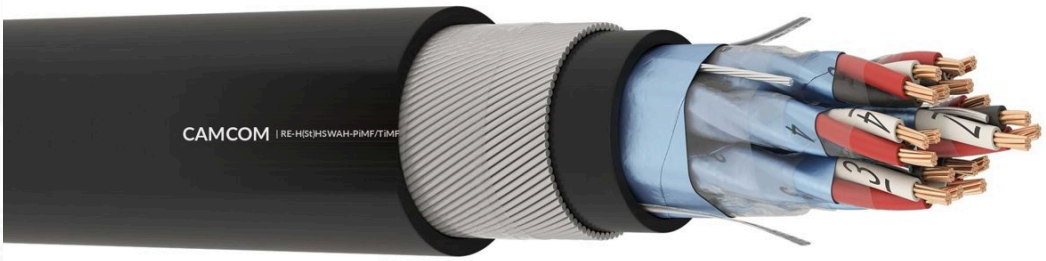
MECHANICAL CHARACTERISTICS

Bending Radius	: 7.5xD mm
Temperature Range Operating	: -30°C ~ +70°C

CABLE TYPE DATA

CAMCOM Part No.	Conductor Size / Type
431050ISA	1.00 mm²

PRODUCT VIEW



Camcom is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
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Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

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