

PART NO. 431362FSE

RE-2Y(St)H-TP/TT Instrumentation Cable, 12 x 2 x 1.3 mm²

Detailed Specifications & Technical Data

CROSS SECTION



1 Conductor
2 Insulation
3 Stranding
4 Wrapping
5 Screen
6 Outer Jacket

CABLE CONSTRUCTION

Conductor	: Stranded electrolytic copper conductor (Class 2) (IEC 60228, EN 60228, DIN VDE 0295)
Insulation	: Polyethylene (BS EN 50290-2, VDE 0207 YI1), Black, White, Red; Number coded (BS 5308-2)
Stranding	: Insulations stranding into pairs or triads
Wrapping	: Polyester tape
Screen	: Tinned copper earthing wire, Al/PET tape
Outer Jacket	: UV resistant halogen-free outer jacket. RAL 9005 (Black)

MECHANICAL CHARACTERISTICS

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

STANDARDS

Manufacturing Reference	: 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

TECHNICAL DATA

Conductor Diameter	Conductor Resistance Ω/km (20 °C)	Insulation Resistance (@500V DC) MΩ/km	Mutual Capacitance nF/km	Operating Voltage V DC	Test Voltage (@ 1 minute) V DC
0.50 mm²	36.0	5000	160	300/500	2000
0.75 mm²	24.5	5000	160	300/500	2000
1.00 mm²	18.1	5000	170	300/500	2000
1.50 mm²	12.1	5000	170	300/500	2000
2.50 mm²	7.41	5000	170	300/500	2000

CABLE TYPE DATA

CAMCOM Part No.	Pair Count	Conductor Cross-section (mm²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
431362FSE	12	1.3	18.6	308	476	100/500/1000

Camcom is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
2585 DB, Den Haag, Netherlands
+31708910864
sales@camcom.co.nl

Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

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