

PART NO. 531050ISK

RE-2X(St)HSWAH-PiMF&TiMF FE180 Fire Resistant Cable, 1.00 mm²

Detailed Specifications & Technical Data

CROSS SECTION



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

CABLE CONSTRUCTION

Conductor	: Stranded electrolytic copper conductor (Class 2) (IEC 60228, EN 60228, DIN VDE 0295)
Wrapping	: Each conductor wrapped with mica tape
Insulation	: XLPE (BS EN 50290-2, VDE 0207 YI1)
Individual Stranding	: Insulations are 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 stranding into layers
Overall Wrapping	: Polyester tape
Overall Screen	: Tinned copper earthing wire, Al/PET tape
Inner Jacket	: UV resistant halogen-free inner jacket.
Armor	: Galvanized steel wire armor
Outer Jacket	: UV resistant halogen-free outer jacket.

TECHNICAL DATA

Conductor Diameter	: 1.00 mm²
Conductor Resistance Ω/km (20 °C)	: 18.1
Insulation Resistance (@500V DC) MΩ/km	: Min. 1000
Mutual Capacitance nF/km	: Max. 250
Operating Voltage V DC	: 300
Test Voltage (@ 1 minute) V DC	: 2000

STANDARDS

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
Fire Resistance Test (FE180)	: IEC 60331-21

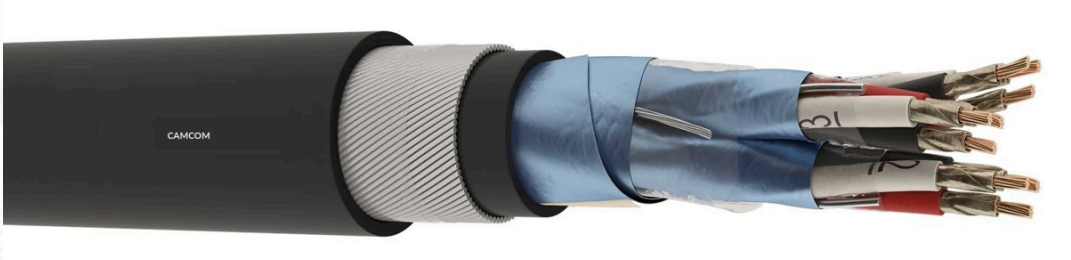
MECHANICAL CHARACTERISTICS

Bending Radius	: 10xD mm
Temperature Range Operating	: -30°C ~ +90°C

CABLE TYPE DATA

CAMCOM Part No.	Conductor Size / Type
531050ISK	1.00 mm²

PRODUCT VIEW



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Disclamer :- Datasheet is subject to modification without prior notication

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