

PART NO. 531027FB

LIH(St)CH FE180 PH120 Fire Resistant Cable, 27 x 1 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 5) (IEC 60228, EN 60228, DIN VDE 0295)
Insulation	: Cross-linked polymer compound in ceramic form (DIN 47100)
Stranding	: In layers
Wrapping	: Polyester tape, glass yarn tape
Screen	: Al/PET, tinned copper braiding
Outer Jacket	: UV resistant halogen-free outer jacket. RAL 2008 (Orange)

TECHNICAL DATA

Conductor Diameter	: 1.00 mm²
Conductor Resistance Ω/km (20 °C)	: 19.5
Insulation Resistance (@500V DC) MΩ/km	: 100
Mutual Capacitance nF/km	: 100
Operating Voltage V DC	: 300
Test Voltage (@ 1 minute) V DC	: 2000

STANDARDS

Circuit Integrity Test (FE180)	: IEC 60331-21
Circuit Integrity with Shock Test (PH120)	: EN 50200, VDE 0482-200, BS EN 50200

MECHANICAL CHARACTERISTICS

Bending Radius	: 10xD mm
Temperature Range Operating	: -40°C ~ +70°C

CABLE TYPE DATA

CAMCOM Part No.	ConductorCount	Conductor Diameter (mm²)	Approx. Cable Diameter(mm)	Copper Weight(kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
531027FB	27	1	16.3	243.7	434	100/500/1000

PRODUCT VIEW



Camcom is proud to be certified by

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Designed in Netherlands & Produced Globally.

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Disclaimer :- Datasheet is subject to modification without prior notication

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