

Fire Alarm Cable



Fire Alarm Cable – 105C Rated

(Solid Multi-Conductor Construction)

High quality cable specially designed and manufactured under the USA and Japanese Standard

APPLICATIONS AND USAGE

Used extensively for low energy communication and safety control wiring

CONSTRUCTION

Conductors cabled.

CONDUCTOR : Solid Bare Copper (IEC 60228 Class 1)

INSULATION : PVC (105C) ---- Heat Stability @ 180 C = 2 Hrs min. (Under JIS 6723)

JACKET : PVC (105C) ---- Heat Stability @ 180 C = 2 Hrs min. (Under JIS 6723)

VOLTAGE : 300/500 V

INSULATION COLOR CODE

COND-1 : RED

COND-2 : BLACK



Un-Shield Construction

(2 Cores Twisted with Rip Cord and Powder Filled)



AL/P-Foil/Drain Wire Shield Construction

(2 Core Twisted wrapped by Mylar Tape with AWG22 Drain Wire + Overlapped AL/P-Foil Turning Inward Wrapping)

Product Code	FACU-100-02	FACU-150-02	FACU-250-02	FACU-400-02
Cross Sectional Area (mm ²)	2x1.0	2x1.5	2x2.5	2x4.0
Conductor Size (mm) ± 0.02 mm	1.13 Copper Wire	1.38 Copper Wire	1.78 Copper Wire	2.25 Copper Wire
Insulation Size (mm) ± 0.15 mm	2.40	2..60	3.00	3.65
Rip Cord	Yes	Yes	Yes	Yes
Drain Wire	No	No	No	No
Al/P-Foil	No	No	No	No
Jacket Size (mm) ± 0.25 mm	6.10	6.50	7.30	8.80

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Rip Cord	No	No	No	No
Drain Wire	Yes	Yes	Yes	Yes
Al/P-Foil	Yes	Yes	Yes	Yes
Jacket Size (mm) ± 0.25 mm	6.30	6.70	7.50	9.00

DC RESISTANCE @20C (SINGLE WIRE) ± 2.5%

WIRE SIZE/CROSS SECTIONAL AREA	1.13 mm / 1.00 mm ²	1.38 mm / 1.50 mm ²	1.78 mm / 2.50 mm ²	2.25 mm / 4.00 mm ²
OHM/KM	18.1	12.1	7.41	4.61

CURRENT RATING @40C in Free Air

CURRENT RATING	1.13 mm / 1.00 mm ²	1.38 mm / 1.50 mm ²	1.78 mm / 2.50 mm ²	2.18 mm / 4.00 mm ²
A	14	18	24	30



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Note: The specifications are subjected to change without prior notice. Fire Alarm Cable – UnShield and Shield SI Unit 300-500V 105C.doc