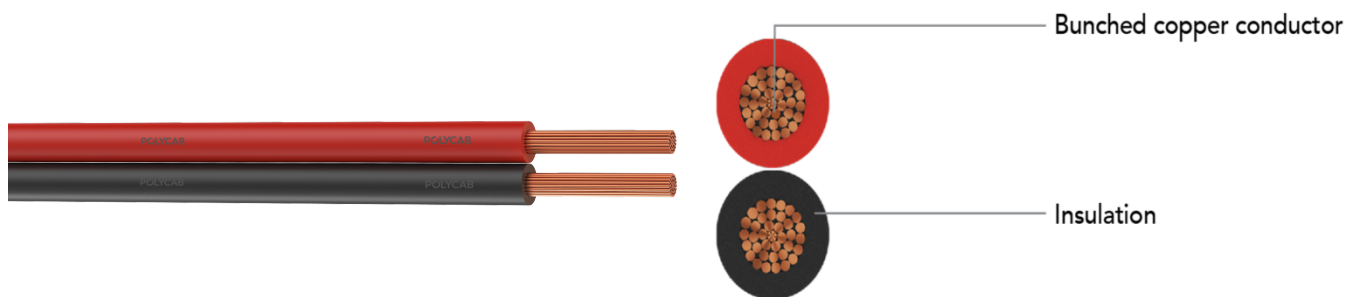


POLYCAB 01Y-K FLAT & TWISTED

Twin twisted & Flat, 1100 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB 01Y-K Flat & Twisted PVC insulated flexible cable confirming to IS 694 is suitable to use in domestic appliances and lighting application.

STANDARD FOLLOWS

IS 8130:2013
IS 5831:1984
IEC 60332-1-2

CHARACTERISTICS

Voltage Rating
1100 V

Operation Temperature
Fixed: -15°C to 70°C

Bending Radius
Fixed installation 6 x Overall diameter
Occasional 4 x Overall diameter

COMPLIANCE

Conductor resistance - IS 8130
Insulation resistance - IS 5831:1984
Flammability test - IEC 60332-1-2

CONSTRUCTION

- Bunched copper conductor as per IS 8130, class 5
- Insulated with PVC Type D to IS 5831

Core Identification
Red and Black

OUR ACCREDITATIONS



APPROVAL



NOTES

- The above cable also available in HR PVC insulation with maximum operating temperature 85°C.

POLYCAB 01Y-K FLAT & TWISTED

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WEIGHT & DIMENSION DATA:

Twin Twisted cable

Product Code	Conductor size	Nominal insulation thickness	Overall dia. (Approx.)	Weight (Approx.)
	n x mm ²	mm	mm	kg/km
TTIS09CYUAYA002C0.5S	2 x 0.5	0.6	4.22	17
TTIS09CYUAYA002C.75S	2 x 0.75	0.6	4.63	23
TTIS09CYUAYA002C001S	2 x 1	0.6	4.98	28
TTIS09CYUAYA002C1.5S	2 x 1.5	0.6	5.52	38
TTIS09CYUAYA002C2.5S	2 x 2.5	0.7	6.83	61
TTIS09CYUAYA002C004S	2 x 4	0.8	8.32	96

Twin Parallel cable

Product Code	Conductor size	Nominal insulation thickness	Overall dimension (Approx.)	Weight (Approx.)
	n x mm ²	mm	mm	kg/km
TFIS09CYUAY1002C0.5S	2 x 0.5	0.6	3.02 x 2.11	17
TFIS09CYUAY1002C.75S	2 x 0.75	0.6	3.43 x 2.32	23
TFIS09CYUAY1002C001S	2 x 1	0.6	3.78 x 2.49	28
TFIS09CYUAY1002C1.5S	2 x 1.5	0.6	4.32 x 2.76	38
TFIS09CYUAY1002C2.5S	2 x 2.5	0.7	5.43 x 3.42	61
TFIS09CYUAY1002C004S	2 x 4	0.8	6.72 x 4.16	96

Electrical characteristic

Current carrying capacity and maximum DC conductor resistance.

Nominal cross sectional area	Current rating	Maximum DC conductor resistance at 20°C
mm ²	Amp.	Ω/km
0.5	4	39
0.75	7	26
1	11	19.5
1.5	14	13.3
2.5	19	7.98
4	26	4.95

Air Ambient temperature: 40°C, Conductor operating temperature: 70°C

The above table is in accordance with IS 3961

POLYCAB 01Y-K FLAT & TWISTED
Twin twisted & Flat, 1100 V AC



De-Rating Factor

De-rating factor for various ambient temperature.

Ambient temperature	30°C	35°C	40°C	50°C	55°C
De-Rating Factor	1.09	1.04	1	0.77	0.54

POLYCAB