

MULTI CORE FLEXIBLE PVC INSULATED PVC SHEATHED CABLE (H05V2V2-F) AS PER BS EN 50525-2-11

APPLICATION

This type of cable is designed to withstand medium mechanical stresses and allows for frequent bending and twisting. It is particularly well-suited for use in household environments, kitchens and offices, including applications with washing machines, dryers and refrigerators, provided it meets the device's specifications. It is also suitable for fixed installation within furniture, partition walls, decorative linings and cavities in prefabricated construction elements, even in dry and damp conditions.

CONSTRUCTION

Conductor:	Flexible (Class 5) Annealed Plain Copper Conductor to EN 60228
Insulation:	PVC (Polyvinyl Chloride) TI-3 Rated at 90°C as per EN 50363-3
Core Identification:	2 Core: Blue & Brown 3 Core: Green/Yellow, Blue & Brown 4 Core: Green/Yellow, Black, Blue & Brown 5 Core: Green/Yellow, Black, Blue, Brown & Black
Assembly:	The cores are twisted into a round shape, with fillers incorporated as needed to maintain structural consistency.
Outer Sheath:	PVC (Polyvinyl Chloride) TM-3 as per EN 50363-4-1. Outer sheath colour shall be White. Other colors are available upon request.
Printing Text on the Outer Sheath (Example):	TEKAB H05V2V2-F 300/500V NO. OF CORES X SIZE CU/PVC/PVC BS EN 50525-2-11 MADE IN UAE



TECHNICAL DATA

Operating Temperature:	During Normal Operation - 90°C During Short Circuit Condition - 160°C
Voltage Rating:	300/500V
Flame Retardant:	IEC 60332-1-2 (upon request)

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIA. (mm)	APPROX. WEIGHT (kg/km)
1	H05V2V2-F	2C X 0.75	0.6	0.8	6.5	60
2	H05V2V2-F	2C X 1	0.6	0.8	6.8	70
3	H05V2V2-F	2C X 1.5	0.7	0.8	7.7	90
4	H05V2V2-F	2C X 2.5	0.8	1.0	9.4	140

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5	H05V2V2-F	2C X 4	0.8	1.1	10.7	190
6	H05V2V2-F	3C X 0.75	0.6	0.8	6.9	75
7	H05V2V2-F	3C X 1	0.6	0.8	7.2	85
8	H05V2V2-F	3C X 1.5	0.7	0.9	8.4	115
9	H05V2V2-F	3C X 2.5	0.8	1.1	10.2	175
10	H05V2V2-F	3C X 4	0.8	1.2	11.5	240
11	H05V2V2-F	4C X 0.75	0.6	0.8	7.5	90
12	H05V2V2-F	4C X 1	0.6	0.9	8.1	105
13	H05V2V2-F	4C X 1.5	0.7	1.0	9.3	140
14	H05V2V2-F	4C X 2.5	0.8	1.1	11.1	210
15	H05V2V2-F	4C X 4	0.8	1.2	12.6	295
16	H05V2V2-F	5C X 0.75	0.6	0.9	8.4	110
17	H05V2V2-F	5C X 1	0.6	0.9	8.8	130
18	H05V2V2-F	5C X 1.5	0.7	1.1	10.4	180
19	H05V2V2-F	5C X 2.5	0.8	1.2	12.4	265
20	H05V2V2-F	5C X 4	0.8	1.4	14.1	355

Packing: Packing is available in Coil/Reel/Drum with meters/Yards/Feet.

