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MULTICORE CABLES-309Y PVC H05V2V2-F HEAT RESISTANT CABLE

*Internal/equipment wire for medium duty appliances
e.g. washing machine. Particularly suitable in high
temperature areas.*



Application: Internal/equipment wire for medium duty appliances e.g. washing machine. Particularly suitable in high temperature areas.

Conductor: Plain annealed flexible copper

Insulation: Heat resisting PVC (Polyvinyl chloride)

Conductor identification: 2 core: brown & blue, 3 core: brown, blue & green/yellow, 4 core: brown, grey, black & green/yellow, 5 core: brown, blue, grey, black & green/yellow
Sheath: Heat resisting PVC (Polyvinyl chloride)

Operating temperature: Maximum 90°C. Minimum bending 0°C

Colour: White

Voltage: 300/500V

Min bending radius: 6 x overall diameter

Standards: BS EN 50525-2-11: Electric cables of rated voltages up and including 450/750V (Uo/U)
Part 2-11: Cables for general applications - flexible cables with thermoplastic PVC insulation (supersedes BS6500)

Specification

3092Y

Size sqmm	Nom thickness of insulation mm	Nom thickness of sheath mm	Nom overall diameter mm	Weight kg/km	Part No
0.75	0.6	0.8	6.2	55	43533
1.0	0.6	0.8	6.6	64	43313
1.5	0.7	0.8	7.6	87	43314
2.5	0.8	1.0	9.2	130	43315

3093Y

Size sqmm	Nom thickness of insulation mm	Nom thickness of sheath mm	Nom overall diameter mm	Weight kg/km	Part No
0.75	0.6	0.8	6.6	66	43535
1.0	0.6	0.8	7.0	78	43357
1.5	0.7	0.9	8.2	107	43031
2.5	0.8	1.1	10.0	164	43086

3094Y

Size sqmm	Nom thickness of insulation mm	Nom thickness of sheath mm	Nom overall diameter mm	Weight kg/km	Part No
0.75	0.6	0.8	7.2	81	43539
1.0	0.6	0.9	7.8	98	43704
1.5	0.7	1.0	9.3	140	43552
2.5	0.8	1.1	10.9	202	43342

3095Y

Size sqmm	Nom thickness of insulation mm	Nom thickness of sheath mm	Nom overall diameter mm	Weight kg/km	Part No
0.75	0.6	0.9	8.0	100	43360
1.0	0.6	0.9	8.6	120	43553
1.5	0.7	0.9	10.3	172	43643

4H3A, 17th Edition-Technical Information

**TABLE 4F3A Flexible cords, non-armoured (Copper Conductors)
CURRENT-CARRYING CAPACITY (amperes): and MASS SUPPORTABLE (kg):**

Conductor cross-sectional area	current carrying capacity		Maximum mass supportable by twin flexible cord (see Regulations 522.7.2 & 559.6.1.5)
	single-phase a.c.	three-phase a.c.	
1	2	3	4
(mm ²)	(A)	(A)	(kg)
0.5	3	3	2
0.75	6	6	3
1	10	10	5
1.25	13	-	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

Notes- Where cable is on a reel see the notes to Table 4F1A

Rating factor for ambient temperature

60°C thermoplastic or thermosetting insulated cords:					
Ambient Temp (°C)	35	40	45	50	55
Rating Factor	0.91	0.82	0.71	0.58	0.41

90°C thermoplastic or thermosetting insulated cords:					
Ambient Temp (°C)	35 to 50	55	60	65	70
Rating Factor	1.0	0.96	0.83	0.67	0.47

180°C thermosetting insulated cords:						
Ambient Temp (°C)	35 to 120	125	130	135	140	145
Rating Factor	1.0	0.96	0.85	0.74	0.60	0.42

Glass fibre cords:						
Ambient Temp (°C)	35 to 150	155	160	165	170	175
Rating Factor	1.0	0.92	0.82	0.71	0.57	0.40

TABLE 4F3B**VOLTAGE DROP (per ampere per metre): Conductor operating temperature: 60°C***

Conductor cross-sectional area 1 (mm ²)	d.c or single-phase a.c. 2 (mV/A/m)	three-phase a.c. 3 (mV/A/m)
0.5	93	80
0.75	62	54
1	46	40
1.25	37	-
1.5	32	27
2.5	19	16
4	12	10

Notes

The tabulated values above are for 60°C thermoplastic or thermosetting insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:

90°C thermoplastic or thermosetting insulated	1.09
180°C thermosetting insulated	1.31
185°C glass fibre	1.43

Parts options

Part No.	Core	Size	Colour/Reference
43312	2	0.5sqmm (Class 5)	White
43533	2	0.75sqmm (Class 5)	White
43313	2	1.0sqmm (Class 5)	White
43314	2	1.5sqmm (Class 5)	White
43315	2	2.5sqmm (Class 5)	White
43080	3	0.5sqmm (Class 5)	White
43535	3	0.75sqmm (Class 5)	White
43357	3	1.0sqmm (Class 5)	White
43031	3	1.5sqmm (Class 5)	White
43086	3	2.5sqmm (Class 5)	White
43338	4	0.5sqmm (Class 5)	White
43539	4	0.75sqmm (Class 5)	White
43704	4	1.0sqmm (Class 5)	White
43552	4	1.5sqmm (Class 5)	White
43342	4	2.5sqmm (Class 5)	White
43359	5	0.5sqmm (Class 5)	White
43360	5	0.75sqmm (Class 5)	White
43553	5	1.0sqmm (Class 5)	White
43643	5	1.5sqmm (Class 5)	White
43364	5	2.5sqmm (Class 5)	White