

section

C

part 3

Technical Information

CONDUCTOR DIMENSIONS AND RESISTANCE VALUES

STANDARD FLEXIBLE CONDUCTORS

Class of conductor	Cross-sectional area sq.mm	Stranding No. wires/size wire mm	Nominal diameter of conductor mm	Nominal weight kg/km	Resistance at 20°C DC ohms per km
5	0.05	7/1	0.3	0.5	368
	0.22	7/2	0.6	2.0	92.4
	0.5	7/3	0.9	4.5	36.5
5 6	0.5	16/2	0.93	4.5	40.1
	0.5	28/15**	0.94	4.5	40.7
	0.5	151/0.65**	0.98	4.5	42.9
5 6	0.65	14/25*	1.1	5.8	30.8
	0.75	24/2	1.14	6.7	26.7
	0.75	42/15	1.12	6.7	27.1
5 5 5	1.0	32/2	1.34	8.9	20.0
	1.25	40/2	1.47	11.1	16.0
	1.35	19/3*	1.5	12.0	15.0
5 5	1.5	30/25	1.6	13.4	13.7
	2.0	28/3*	1.87	17.8	9.2
	2.5	50/25	2.09	22.3	8.21
5	3.0	44/3*	2.4	27	6.13
	4.0	56/3	2.61	36	5.09
	4.5	65/3*	2.8	40	4.09
5 5	6	84/3	3.21	53	3.39
	8	120/3*		71	2.3
	10	80/4	4.2	89	1.95
5 5 5	16	126/4	5.3	142	1.24
	25	196/4	7.1	223	0.795
	35	276/4	8.5	312	0.565
5 5 5	50	396/4	10.3	445	0.393
	70	360/5	12.4	623	0.277
	95	475/5	14.5	846	0.210
5 5 5	120	608/5	16.0	1068	0.164
	150	756/5	18.0	1335	0.132
	185	925/5	20.0	1647	0.108
5 5 5	240	1221/5	23.0	2136	0.0817
	300	1525/5	26.0	2670	0.0654
	400	2013/5	30.0	3560	0.0495
5 5	500	1769/6	33.5	4450	0.0373
	630	2257/6	37.0	5607	0.0292

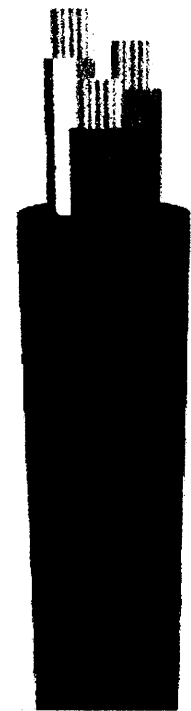
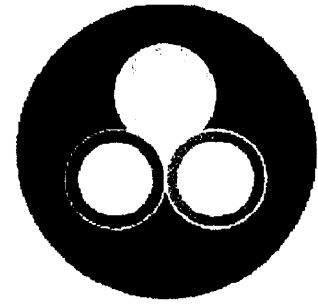
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PART 3

*Automobile stranding.

**Alternative stranding for parallel twin flexible.

GENERAL WIRING CABLES - Flexible						
Multicore Cable						
PVC Insulated & Sheathed Flexible Cables 2182Y,2183Y and 2192Y						
Standard		H03VVH2-F2/H03VV-F				
Voltage Rating		300/300V				
Temperature Rating		70°C max.				
Construction		Class 5 Flexible Conductor/PVC Insulation/PVC Outer Sheath				
Application		Light duty flexible cord for external connection of Portable Appliances				
Cenelec Reference	Nominal Conductor Area mm ²	Nominal Conductor Stranding/mm ²	Insulation Thickness mm	Min O/D mm	Max O/D mm	Approx Weight kg/km
Flat Two Core 2192Y						
H03VVH2-F2	0.5	16/0.2	0.5	3.0 x 4.8	3.6 x 6.0	27
H03VVH2-F2	0.75	24/0.2	0.5	3.2 x 5.2	3.9 x 6.4	34
Circular Two Core 2182Y						
H03VV-F2	0.5	16/0.2	0.5	4.8	6.0	36
H03VV-F2	0.75	24/0.2	0.5	5.2	6.4	45
Circular Three Core 2183Y						
H03VV-F3	0.5	16/0.2	0.5	5.0	6.2	44
H03VV-F3	0.75	24/0.2	0.5	5.4	6.8	55
<ul style="list-style-type: none"> ● Sheath Colour <ul style="list-style-type: none"> ○ Black or White ● Core Identification <ul style="list-style-type: none"> ○ 2 core : blue / brown ○ 3 core : green & yellow / blue / brown ○ 4 core : green & yellow / black / blue / brown 						



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