

Ordinary Duty PVC Flexible Cords, Circular

BS6500

HO5VV - F

3182Y, 3183Y, 3184Y, 3185Y

CABLE CHARACTERISTICS



TEMPERATURE RANGE
+5 to +60 °C



Bending radius
Fixed $r=4D$
Flexing $r=6D$



Mechanical Impact
Medium



Fire performance
BSEN50265-2-1



FLEXIBILITY
flexible

CABLE DESCRIPTION

KEY APPLICATIONS

Supply leads in domestic premises, kitchens, offices for household appliances, including damp situations, for medium duties including washing machines, spin dryers and refrigerators. Suitable for cooking and heating appliances provided there is no risk of contact with hot parts.

CONDUCTOR

Plain annealed copper flexible stranded circular conductor complying with BS6360 Class 5

INSULATION

PVC insulation complying with BS7655 Type T12

Core identification:

oo blue-brown

ooo blue-brown-green/yellow

oooo black-blue-brown-green/yellow

SHEATH

PVC sheath complying with BS7655 Type TM2

Colour: Normally white or black but others available on request.



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Nominal cross sectional area mm ²	Conceptual construction no./mm	Approximate conductor diameter mm	Approximate overall diameter mm	Approximate cable weight kg/km	Maximum conductor resistance at 20°C ohms/km	Current rating DC or Single phase AC Amps	Current rating Three phase AC Amps	Volt drop DC or Single phase AC mV/A/m	Volt drop Three phase AC mV/A/m
Two cores									
0.5	16/0.20	0.93	6.3	52	39	3	-	93	-
0.75	24/0.20	1.14	6.8	59	26	6	-	62	-
1	32/0.20	1.32	7.2	67	19.5	10	-	46	-
1.25	40/0.20	1.48	7.8	90	15.6	13	-	37	-
1.5	30/0.25	1.6	8.2	90	13.3	16	-	32	-
2.5	50/0.25	2.05	10	141	7.98	25	-	19	-
4	56/0.30	2.6	11.1	190	4.95	32	-	12	-
Three cores									
0.75	24/0.20	1.14	7.2	69	26	6	-	62	-
1	32/0.20	1.32	7.6	80	19.5	10	-	46	-
1.25	40/0.20	1.48	8.5	95	15.6	13	-	37	-
1.5	30/0.25	1.6	8.9	113	13.3	16	-	32	-
2.5	50/0.25	2.05	10.8	176	7.98	25	-	19	-
4	56/0.30	2.6	12	236	4.95	32	-	12	-
Four cores									
0.75	24/0.20	1.14	7.7	83	26	6	6	62	54
1	32/0.20	1.32	8.5	101	19.5	10	10	46	40
1.5	30/0.25	1.6	10	141	13.3	16	16	32	27
2.5	50/0.25	2.05	11.8	214	7.98	25	20	19	16
4	56/0.30	2.6	13	286	4.95	32	25	12	10
Five cores									
0.75	24/0.20	1.14	8.5	78	26	6	6	62	54
1	32/0.20	1.32	9.2	118	19.5	10	10	46	40
1.5	30/0.25	1.6	11	180	13.3	16	16	32	27
2.5	50/0.25	2.05	12.8	265	7.98	25	20	19	16
4	56/0.30	2.6	14.5	350	4.95	32	25	12	10

Temperature rating factors

Ambient Temperature °C	30	35	40	45	50	55
Rating factor	1.00	0.91	0.82	0.71	0.58	0.41