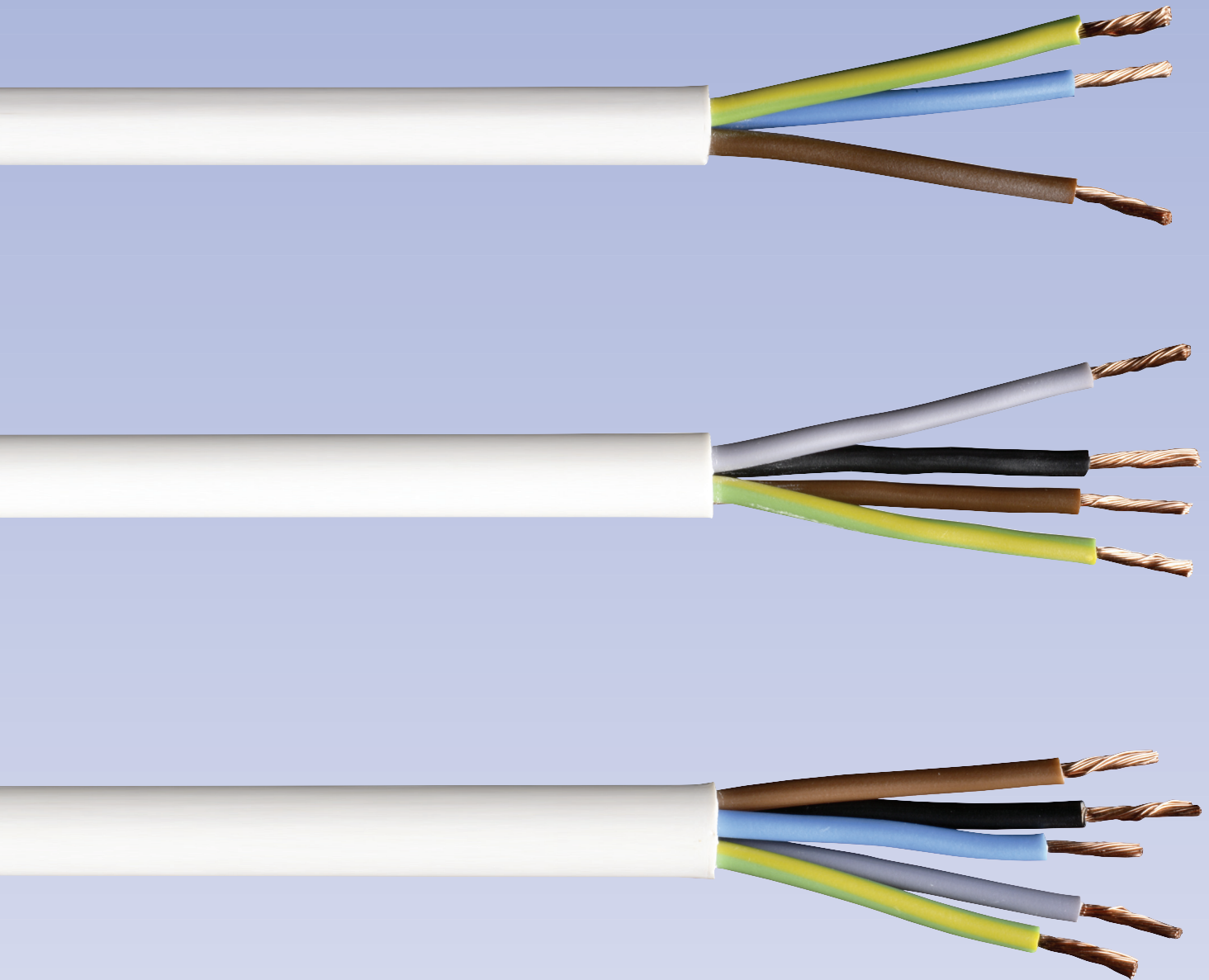




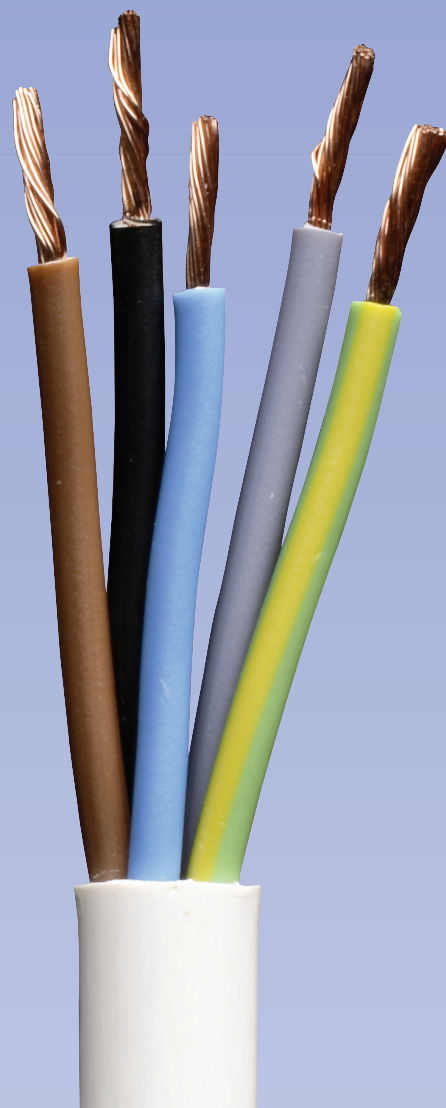
Draka

PVC insulated and sheathed flexible cords.



Draka, the world's most trusted cable brand.

REF:

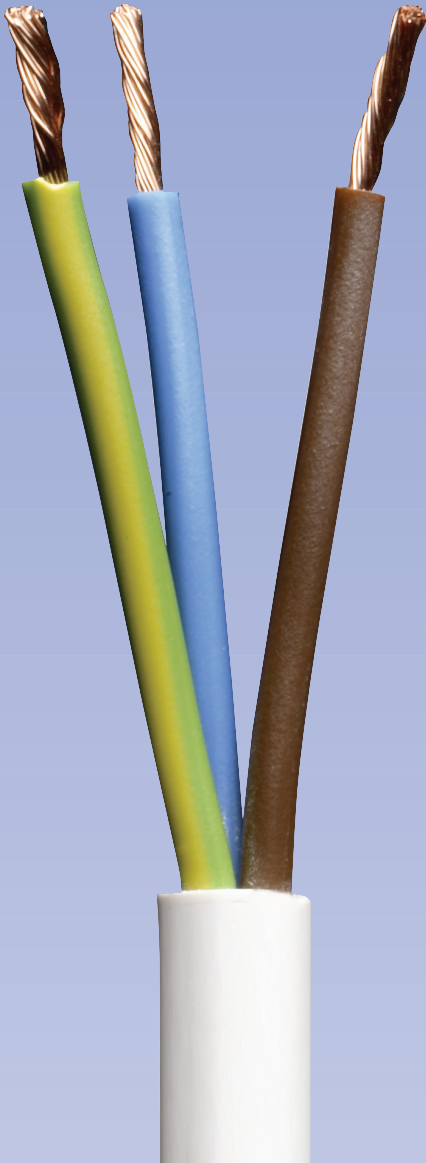
318-Y**PVC Insulated
and PVC Sheathed
Flexible Cords****Standard:**
BS6500/BS7919.**Voltage rating:**
300/500V.**Application:**
General purpose indoors or outdoors in dry or damp situations. Suitable for portable tools, washing machines, vacuum cleaners, lawn mowers, refrigerators. Should not be used where sheath can come in to contact with hot surfaces. Not suitable below 0°C.**Construction:**
Two, Three, Four or Five core circular flexible cord. Flexible plain copper conductors, PVC insulated, cores laid up and PVC sheathed.**Core colours:**
Two core: Blue and Brown.
Three core: Green/Yellow, Blue and Brown.
Four core: Green/Yellow, Brown, Black and Grey.
Five core: Green/Yellow, Blue, Brown, Black and Grey.**Sheath colour:**
White. Other colours available to order.**Minimum bending radius:**
3D Fixed, 6D Flexing.**Maximum conductor temperature:**
70°C**Current rating:**
See table on the reverse of this brochure.**Harmonised Designation:**
H05VV-F**PVC Insulated and PVC Sheathed Flexible Cords**

Reference number	Nominal area of conductor	Class of conductor	Maximum resistance of conductor at 20°C	Insulation thickness	Sheath thickness	Mean overall diameter Approx.		nett weight
						Lower limit	Upper limit	
	mm ²		Ω/km	mm	mm	mm	mm	kg/km
3182Y Twin Circular	0.75	5	26.00	0.6	0.8	6.0	7.6	60
	1.0	5	19.50	0.6	0.8	6.4	8.0	69
	1.5	5	13.30	0.7	0.8	7.4	9.0	95
	2.5	5	7.98	0.8	1.0	8.9	11.0	145
	4.0	5	4.95	0.8	1.1	10.1	12.0	185
3183Y Three Core Circular	0.75	5	26.00	0.6	0.8	6.4	8.0	71
	1.0	5	19.50	0.6	0.8	6.8	8.4	82
	1.5	5	13.30	0.7	0.9	8.0	9.8	118
	2.5	5	7.98	0.8	1.1	9.6	12.0	175
	4.0	5	4.95	0.8	1.2	11.0	13.0	237
3184Y Four Core Circular	0.75	5	26.00	0.6	0.8	6.8	8.6	85
	1.0	5	19.50	0.6	0.9	7.6	9.4	105
	1.5	5	13.30	0.7	1.0	9.0	11.0	150
	2.5	5	7.98	0.8	1.1	10.5	13.0	214
	4.0	5	4.95	0.8	1.2	12.0	14.0	290
3185Y Five Core Circular	0.75	5	26.00	0.6	0.9	7.4	9.6	110
	1.0	5	19.50	0.6	0.9	8.3	10.0	130
	1.5	5	13.30	0.7	1.1	10.0	12.0	185
	2.5	5	7.98	0.8	1.2	11.5	14.0	265
	4.0	5	4.95	0.8	1.4	13.5	15.5	340

**Draka**

REF:

309-Y Heat Resisting PVC Insulated and PVC Sheathed Flexible Cords



Standard:
BS6500/BS7919.

Voltage rating:
300/500V.

Application:
General purpose, heat resisting, indoors or outdoors in dry or damp situations. Suitable for portable tools, immersion heaters, washing machines, lawn mowers, refrigerators, especially in higher temperature zones.

Construction:
Two, Three or Four core circular flexible cords. Flexible plain copper conductors, heat resisting PVC insulated, cores laid up and heat resisting PVC sheathed.

Core colours:
Two core: Blue and Brown.
Three core: Green/Yellow, Blue and Brown.
Four core: Green/Yellow, Brown, Black and Grey.

Sheath colour:
White. Other colours available to order.

Minimum bending radius:
3D Fixed, 6D Flexing.

Maximum conductor temperature:
90°C. Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-02 of BS7671, the 16th Edition of IEE Wiring Regulations).

Current rating:
See table on the reverse of this brochure.

Harmonised Designation:
H05V2V2-F

Heat Resisting PVC Insulated and PVC Sheathed Flexible Cords

Reference number	Nominal area of conductor	Class of conductor	Maximum resistance of conductor at 20°C	Insulation thickness	Sheath thickness	Mean overall diameter Approx.		nett weight
						Lower limit	Upper limit	
	mm ²		Ω/km	mm	mm	mm	mm	kg/km
3092Y Twin Circular	0.5	5	39.00	0.6	0.8	5.6	7.0	46
	0.75	5	26.00	0.6	0.8	6.0	7.6	56
	1.0	5	19.50	0.6	0.8	6.4	8.0	65
	1.5	5	13.30	0.7	0.8	7.4	9.0	80
	2.5	5	7.98	0.8	1.0	8.9	11.0	135
3093Y Three Core Circular	0.5	5	39.00	0.6	0.8	5.8	7.2	56
	0.75	5	26.00	0.6	0.8	6.4	8.0	61
	1.0	5	19.50	0.6	0.8	6.8	8.4	77
	1.5	5	13.30	0.7	0.9	8.0	9.8	108
	2.5	5	7.98	0.8	1.1	9.6	12.0	165
3094Y Four Core Circular	0.5	5	39.00	0.6	0.8	6.4	7.8	68
	0.75	5	26.00	0.6	0.8	6.8	8.6	80
	1.0	5	19.50	0.6	0.9	7.6	9.4	100
	1.5	5	13.30	0.7	1.0	9.0	11.0	140
	2.5	5	7.98	0.8	1.1	10.5	13.0	210

PVC flexible cords now complement a range of low voltage cables.

It's now time to look to Draka as being your key supplier of PVC flexible cords. We have just introduced a full range of 3, 4 and 5 core circular cables, from 0.75mm² to 2.5mm², 300/500 voltage rating in European harmonised nomenclature.

Manufactured to HD21-5 (BS6500) and HD21-12(BS6500/BS7919), they are readily available in the standard white sheath plus you can also specify a selection of other colours.

PVC flexible cords are manufactured for applications with portable tools, washing machines, vacuum cleaners, refrigerators and much more. They now complement a comprehensive portfolio of low voltage cable solutions available from Draka.

The range also conforms to the European Directive, 2002/95/EG relating to the restriction of the use of certain hazardous substances in electrical and electronic equipment, (RoHS Directive).

Current ratings for flexible cords BS 6500 and BS7919					
BS 7671 - 16th edition, IEE Wiring Regulations Conductor operating Temperature: 60°C					
Nominal cross-sectional area of conductor	Current-carrying capacity (Amperes)		Volt drop per ampere per metre		Maximum mass supported by twin flexible cord (see regulation 522-08-06)
	D.C. or single phase A.C.	Three-phase A.C.	D.C. or single phase A.C.	Three-phase A.C.	
1	2	3	4	5	6
mm ²	A	A	mV	mV	kg
0.5	3	3	93	80	2
0.75	6	6	62	54	3
1.0	10	10	46	40	5
1.25	13	-	37	-	5
1.5	16	16	32	27	5
2.5	25	20	19	16	5
4.0	32	25	12	10	5

*NOTE: The tabulated voltage drop values above are for 60°C PVC insulated flexible cords. For 85°C & 90°C heat resisting PVC insulated flexible cords, they can be multiplied by a factor of 1.09.

Correction Factor For Ambient Temperature					
318-Y 60°C Thermoplastic (PVC) Insulated Cords					
Ambient Temp	35°C	40°C	45°C	50°C	55°C
Correction Factor	0.91	0.82	0.71	0.58	0.41
309-Y 85 and 90°C Thermoplastic (PVC) Insulated Cords					
Ambient Temp	35-50°C	55°C	60°C	65°C	70°C
Correction Factor	1.0	0.96	0.83	0.67	0.47

Whatever your requirement for low voltage cables, make Draka your No. 1 choice. We have a comprehensive range available that includes Control and Instrumentation cables, Installation cables, Power cables, our market-leading Firetuf fire performance cables and now a full selection of PVC Flexible cords. Call us today, or contact your regional sales manager for full details.



Draka Cableteq | Low Voltage

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