

Flexible Cables

3182/3/4 60°C Rubber Insulated & Sheathed Flexible Cables

Cable Description: 300/500V 60°C Rubber insulated, sheathed ordinary flexible cable, circular twin, 3 core and 4 core.

Reference Code: 3182, 3183, 3184

Standard: BS 6500 and BS 6141

Conductors: Flexible tinned copper conductors in the size range from 0.75mm² to 2.5mm²

Insulation: 60°C Vulcanized Rubber

Voltage Rating: 300/500V

Core Identification: Circular Twin: Blue Brown

Three Core: Green/Yellow, Blue, Brown

Four Core: Green/Yellow, Black, Blue, Brown

Assembly: Cores twisted together

Sheath: Tough Rubber



Number of Cores	Nominal Cross-sectional Area of Conductor	Conductor Construction (Number and Diameter of Wires)	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter		Approx. Weight	Minimum Bending Radius for Fixed Wiring	Harmonized Code Designation
					Lower limit	Upper limit			
No.	mm ²	No./mm	mm	mm	mm	mm	kg/km	mm	
2	0.5	16/0.20	0.6	0.8	5.6	7.8	55	20	NATIONAL
2	0.75	24/0.20	0.6	0.8	6.0	8.2	65	20	HO5RR-F2
2	1.0	32/0.20	0.6	0.9	6.6	8.8	75	20	HO5RR-F2
2	1.5	30/0.25	0.8	1.0	8.0	10.5	110	35	HO5RR-F2
2	2.5	50/0.25	0.9	1.1	9.5	12.5	155	40	HO5RR-F2
3	0.5	16/0.20	0.6	0.8	5.8	8.2	60	20	NATIONAL
3	0.75	24/0.20	0.6	0.9	6.5	8.8	80	20	HO5RR-F3
3	1.0	32/0.20	0.6	0.9	7.0	9.2	90	20	HO5RR-F3
3	1.25	40/0.20	0.8	1.0	8.2	11.0	115	35	NATIONAL
3	1.5	30/0.25	0.8	1.0	8.6	11.0	135	35	HO5RR-F3
3	2.5	50/0.25	0.9	1.1	10.0	13.0	190	40	HO5RR-F3
4	0.75	24/0.20	0.6	0.9	7.1	9.6	95	20	HO5RR-F4
4	1.0	32/0.20	0.6	0.9	7.6	10.0	110	20	HO5RR-F4
4	1.5	30/0.25	0.8	1.1	9.6	12.5	170	40	HO5RR-F4
4	2.5	50/0.25	0.9	1.2	11.0	14.0	246	45	HO5RR-F4

3182/3/4TQ 85°C Rubber Insulated & HOFR Sheathed Flexible Cables

Cable Description: 300/500V 85°C Rubber insulated, sheathed ordinary flexible cable, circular twin, 3 core and 4 core

Reference Code: 3182TQ, 3183TQ, 3184TQ

Standard: BS 6500: 1990 Table 9 and BS 6007:1983

Conductors: Flexible tinned copper conductors in the size range from 0.75mm² to 2.5mm²

Insulation: EPR Rubber

Voltage Rating: 300/500V

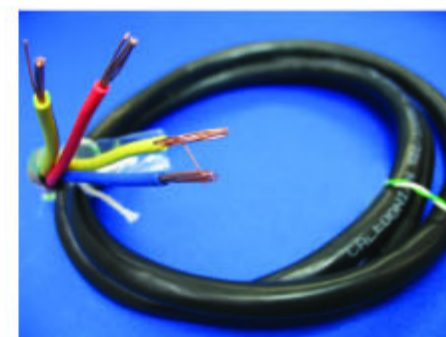
Core Identification: Circular Twin: Blue Brown

Three Core: Green/Yellow, Blue, Brown

Four Core: Green/Yellow, Black, Blue, Brown

Assembly: Cores twisted together

Sheath: 85°C Oil Resisting & Flame Retardant Rubber



Number of Cores	Nominal Cross-sectional Area of Conductor	Conductor Construction (Number and Diameter of Wires)	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter		Approx. Weight	Minimum Bending Radius for Fixed Wiring
					Lower limit	Upper limit		
No.	mm ²	No./mm	mm	mm	mm	mm	kg/km	mm
2	0.5	16/0.20	0.6	0.8	5.6	7.8	59	20
2	0.75	24/0.20	0.6	0.8	6.0	8.2	66	20
2	1.0	32/0.20	0.6	0.9	6.6	8.8	79	20
2	1.5	30/0.25	0.8	1.0	8.0	10.5	120	35
2	2.5	50/0.25	0.9	1.1	9.5	12.5	170	40
2	4.0	56/0.30	1.0	1.8	12.0	15.0	295	45
3	0.5	16/0.20	0.6	0.8	5.8	8.2	65	20
3	0.75	24/0.20	0.6	0.9	6.5	8.8	80	20
3	1.0	32/0.20	0.6	0.9	7.0	9.2	90	20
3	1.5	30/0.25	0.8	1.0	8.6	11.0	135	35
3	2.5	50/0.25	0.9	1.1	10.0	13.0	195	40
3	4.0	55/0.30	1.0	1.9	13.0	16.0	360	50
4	0.75	24/0.20	0.6	0.9	7.1	9.6	96	20
4	1.0	32/0.20	0.6	0.9	7.6	10.0	113	20
4	1.5	30/0.25	0.8	1.1	9.6	12.5	174	40
4	2.5	50/0.25	0.9	1.2	11.0	14.0	252	45
4	4.0	56/0.30	1.0	2.0	14.5	15.0	445	55

3182/3/4/5Y 70°C PVC Insulated & Sheathed Flexible Cables

3182/3/4/5B XLPE Insulated & LSHF Sheathed Flexible Cables

Cable Description: 300/500V 70°C PVC insulated, sheathed ordinary flexible cable, circular twin, 3 core, 4 cores and 5 core (3182/3/4/5Y)
300/500V XLPE insulated, LSHF sheathed ordinary flexible cable, circular twin, 3 core, 4 cores and 5 core (3182/3/4/5B)

Reference Code: 3182Y, 3183Y, 3184Y, 3185Y
3182B, 3183B, 3184B, 3185B

Standard: BS 6500

Conductors: Flexible tinned copper conductors in the size range from 0.75mm² to 2.5mm²

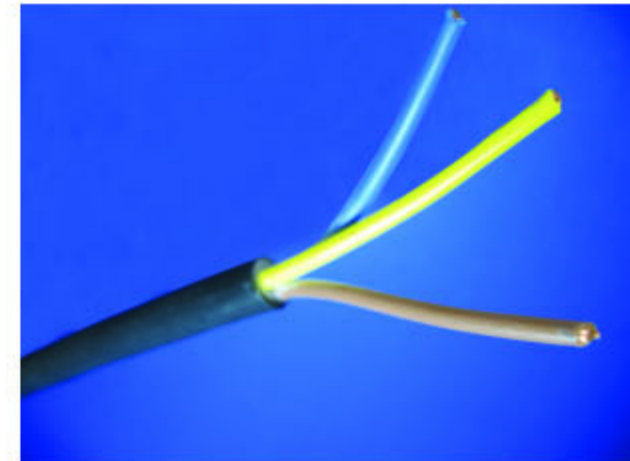
Insulation: 70°C PVC (3182/3/4/5Y); XLPE (3182/3/4/5B)

Voltage Rating: 300/500V

Core Identification: Circular Twin: Blue Brown
Three Core: Green/Yellow, Blue, Brown
Four Core: Green/Yellow, Black, Blue, Brown
Five Core: Green/Yellow, Black, Blue, Brown, Red

Assembly: Cores twisted together

Sheath: 70°C PVC (3182/3/4/5Y); LSHF (3182/3/4/5B)



Number of Cores	Nominal Cross-Sectional Area of Conductor	Conductor Construction (Number and Diameter of Wires)	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter		Approx. Weight	Minimum Bending Radius for Fixed Wiring	Harmonized Code Designation
					Lower limit	Upper limit			
No.	mm ²	No./mm	mm	mm	mm	mm	kg/km	mm	
2	0.75	24/0.20	0.6	0.8	6.0	7.6	59	20	HO5VV-F2
2	1.0	32/0.20	0.6	0.8	6.4	8.0	69	20	HO5VV-F2
2	1.5	30/0.25	0.7	0.8	7.4	9.0	95	30	HO5VV-F2
2	2.5	50/0.25	0.8	1.0	8.9	11.0	145	35	HO5VV-F2
3	0.75	24/0.20	0.6	0.8	6.4	8.0	70	20	HO5VV-F3
3	1.0	32/0.20	0.6	0.5	6.8	8.4	82	20	HO5VV-F3
3	1.5	30/0.25	0.7	0.9	8.0	9.8	121	30	HO5VV-F3
3	2.5	50/0.25	0.8	1.1	9.6	12.0	180	40	HO5VV-F3
4	0.75	24/0.20	0.6	0.8	6.8	8.6	85	20	HO5VV-F4
4	1.0	32/0.20	0.6	0.9	7.6	9.4	105	20	HO5VV-F4
4	1.5	30/0.25	0.7	1.0	9.0	11.0	150	35	HO5VV-F4
4	2.5	50/0.25	0.8	1.1	10.5	13.0	220	40	HO5VV-F4
5	0.75	24/0.20	0.6	0.9	7.4	9.6	110	20	HO5VV-F5
5	1.0	32/0.20	0.6	0.9	8.3	10.0	130	20	HO5VV-F5
5	1.5	30/0.25	0.7	1.1	10.0	12.0	180	40	HO5VV-F5
5	2.5	50/0.25	0.8	1.2	11.5	14.0	265	45	HO5VV-F5

Trirated Single Core 105°C PVC Insulated Conduit Wires

Cable Description: 300/500V Single Core 105°C PVC insulated

Reference Code: 6231Y

Standard: BS 6231; UL 1015, UL 1028, UL 1283 and UL 1284

Conductors: Solid annealed copper conductors to BS 6360 in the size range from 0.5 mm² to 120 mm²

Insulation: 105°C PVC

Voltage Rating: 300/500V

Nominal Cross Sectional Area of Conductor mm ²	Conductor Construction No. /mm	Nominal Overall Diameter mm	UL Style No.
0.5	16/0.2	2.6	1015
0.75	24/0.2	2.8	1015
1.0	32/0.2	3.0	1015
1.5	30/0.25	3.3	1015
2.5	50/0.25	3.7	1015
4.0	56/0.3	4.4	1015
6.0	84/0.3	5.1	1015
10.0	80/0.4	6.9	1028
16.0	126/0.4	8.6	1283
25.0	196/0.4	10.5	1283
35.0	276/0.4	11.9	1283
50.0	396/0.4	14.4	1264
70.0	360/0.5	16.7	1284
95.0	475/0.5	19.0	1284
120.0	608/0.5	20.5	1281

Flexible Cables

3092/3/4/5Y 90°C PVC Insulated & 85°C PVC Sheathed Flexible Cables

Cable Description: 300/500V 90°C PVC insulated, 85°C PVC sheathed ordinary flexible cable, circular twin, 3 core, 4 core and 5 core (3182/3/4/5Y)

Reference Code: 3092Y, 3093Y, 3094Y

Standard: BS 6141: 1991 Table 15

Conductors: Flexible annealed copper conductors to BS 6360 in the size range from 0.75mm² to 2.5mm²

Insulation: 90°C PVC

Voltage Rating: 300/500V

Core Identification: Circular Twin: Blue, Brown

Three Core: Green/Yellow, Blue, Brown

Four Core: Green/Yellow, Black, Blue, Brown

Assembly: Cores twisted together

Sheath: 85°C PVC



Number of Cores	Conductor		Nominal Thickness of Insulation	Maximum Diameter of Wires	Nominal Overall Diameter		Approximate Weight
	Nominal Cross-Sectional Area	Number and Diameter of Wires			Lower Limit	Upper Limit	
No.	mm	No. /mm	mm	mm	mm	mm	kg/km
2	0.5	16/0.2	0.6	0.8	5.6	7.0	46
2	0.75	24/0.2	0.6	0.8	6.0	7.6	56
2	1.0	32/0.2	0.6	0.8	6.4	8.0	65
2	1.5	30/0.25	0.7	0.8	7.4	9.0	80
2	2.5	50/0.25	0.8	1.0	8.9	11.0	135
3	0.5	16/0.2	0.6	0.8	5.8	7.2	66
3	0.75	24/0.2	0.6	0.8	6.4	8.0	68
3	1.0	32/0.25	0.6	0.8	6.8	8.4	77
3	1.5	30/0.25	0.7	0.9	8.0	9.8	100
3	2.5	50/0.25	0.8	1.1	9.6	12.0	150
4	0.5	16/0.2	0.6	0.8	6.4	6.8	70
4	0.75	24/0.2	0.6	0.8	6.8	8.6	78
4	1.0	32/0.2	0.6	0.9	7.6	9.4	110
4	1.5	30/0.25	0.7	1.0	9.0	11.0	150
4	2.5	50/0.25	0.8	1.1	10.5	13.0	220

