

TABLE 4F2A Multicore, sheathed and non-armoured cables having 85°C rubber insulation. (Copper Conductors). BS6883.

CURRENT-CARRYING CAPACITY (amperes):

Ambient temperature : 30°C
Conductor operating temperature: 85°C

Conductor cross-sectional area	Reference Method 3 (enclosed)		Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray) or Reference Method 13 (free air)		
	1	2	3	4	5	6	7
(mm ²)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
1	16.5	14.5	18	16	19.5	17.5	
1.5	21	18.5	23	20	25	22	
2.5	29	25	32	28	34	30	
4	38	33	43	37	46	40	
6	48	43	55	48	59	52	
10	66	58	76	66	81	71	
16	87	77	103	88	109	94	
25	114	100	136	117	144	123	
35	139	122	168	144	177	151	
50	167	147	201	174	213	186	
70	211	185	256	222	272	237	
95	254	222	310	269	329	287	
120	292	256	359	312	381	333	
150	320	287	413	359	438	383	
185	368	326	470	409	499	437	
240	439	381	553	482	587	515	
300	509	436	636	555	675	593	

VOLTAGE DROP (per ampere per metre)

TABLE 4F2B

Conductor operating tempera-

Conductor cross-sectional area	Two-core cable, d.c.	Two-core cable, single-phase a.c.			Three- or four-core cable, three-phase a.c.		
		1	2	3	4	x	z
(mm ²)	(mV/A/m)			(mV/A/m)			(mV/A/m)
1	46			46			40
1.5	31			31			26
2.5	19			19			16
4	12			12			10
6	7.7			7.7			6.7
10	4.6			4.6			4.0
16	2.9			2.9			2.5
		r	x	z	r	x	z
25	1.80	1.85	0.175	1.85	1.60	0.150	1.60
35	1.30	1.30	0.170	1.35	1.15	0.150	1.15
50	0.95	0.97	0.170	0.99	0.84	0.145	0.86
70	0.65	0.66	0.165	0.68	0.58	0.140	0.59
95	0.48	0.49	0.160	0.52	0.43	0.140	0.45
120	0.38	0.39	0.160	0.42	0.34	0.135	0.36
150	0.30	0.31	0.155	0.35	0.27	0.135	0.30
185	0.25	0.25	0.155	0.30	0.22	0.130	0.26
240	0.190	0.195	0.150	0.25	0.170	0.130	0.22
300	0.150	0.155	0.150	0.22	0.135	0.130	0.185

NOTE:Tables 4F2A and 4F2B are extracted from IEE Regs, 16th Edition

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