TABLE 4H3A Flexible Cords (Copper Conductors).

CURRENT-CARRYING CAPACITY (amperes): and MASS SUPPORTABLE (kg):

Conductor cross-sectional area	Current-carrying capacity		Maximum mass supportable by twin flexible cord (see Regulation 522-08-06)
	Single-phase a.c.	Three-phase a.c.	
1	2	3	4
(mm²)	(A)	(A)	(kg)
0.5	3	3	2
0.75	6	6	3
1	10	10	5
1.25	13	-	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

Where cable is on a reel see notes to table 4H1A

CORRECTION FACTOR FOR AMBIENT TEMPERATURE

60°c rubber and pvc cords:

Ambient temperature	35°C	40°C	45°C	50°C	55°C
Correction factor	0.91	0.82	0.71	0.58	0.41

85°C rubber cords having h.o.f.r. sheath or a heat-resisting pvc sheath and for 85°C and 90°C heat-resisting cords:

Ambient temperature	30 to 50°C	55°C	60°C	65°C	70°C
Correction factor	1.0	0.96	0.83	0.67	0.47

150°C rubber cords:

Ambient temperature	35 to 120°C	125°C	130°C	135°C	140°C	145°C
Correction factor	1.0	0.96	0.85	0.74	0.60	0.42

Glass fibre cords:

Ambient temperature	35 to 150°C	155°C	160°C	165°C	170°C	175°C
Correction factor	1.0	0.92	0.82	0.71	0.57	0.40

TABLE 4H3B

VOLTAGE DROP(per ampere per metre) Conductor operating temperature: 60°C*

Conductor cross-sectional area	d.c. or single-phase a.c.	Three-phase a.c.
1	2	3
(mm²)	(mV/A/m)	(mV/A/m)
0.5	93	80
0.75	62	54
1	46	40
1.25	37	-
1.5	32	27
2.5	19	16
4	12	10

NOTE: * The tabulated values above are for 60°C rubber-insulated and pvc-insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:

For

85°C rubber or 85°C and 90°C pvc-insulated	1.09
150°C rubber insulated	1.31
185°C glass fibre	1.43

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