

Amseve-A
L.F.No. 710700603/

TECHNICAL PARTICULARS OF KAVACH MOD II : FBXL CABLES

1	Stock No.	N6145-021150	N6145-021132	N6145-021120	N6145-021167	N6145-021159
2	Area Nominal Cross sectional in sq.mm.	2.5	1.0	4.0	0.5	0.5
3	No. of Cores	4	3	2	37	12
Conductor						
4	No. of wires (Typical value) x Single wire dia. Max. (No. x mm)	50/0.26	32/0.21	56/0.31	16/0.21	16/0.21
5	Nominal dia. in mm	2	1.3	2.5	0.9	0.9
Insulation						
6	Nominal Radial Thickness in mm	0.7	0.7	0.8	0.7	0.7
7	Nominal dia in mm	3.4	2.7	4.1	2.3	2.3
8	No. of cores / layer	4	3	2	1.6.12.18	3.9
9	Dia. over laid up cores (Nominal) in mm	8.4	5.9	8.3	16.1	9.8
10	Thickness of Binder / Innersheath in mm	0.02	0.02	0.02	0.02	0.02
11	Dia. over Innersheath / taped laid up cores (Nominal) in mm	8.4	6.0	8.4	16.2	9.9
Annealed Tinned Copper Wire Braid						
12	Size in mm	0.2	0.2	0.2	0.3	0.2
13	Diameter over braid (Nominal) in mm	9.4	7.0	9.4	17.7	10.9

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W.M.T.A.

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14	Radial Thickness (Nominal) sheath in mm	1.0	0.9	1.0	1.6	1.1
15	(Nominal) Overall diameter in mm	12.0	10.0	12.3	23.0	14.3
16	Voltage Test in Volts	2000	2000	2000	2000	2000
17	Minimum Insulation Resistance per Km at 20°C at 500V "Meg-Ohm"	520	720	480	720	720
18	Maximum conductor Resistance per Km at 20°C in Ohm	8.21	20.0	5.09	40.1	40.1
19	Current Rating(Air Ambient at 50°C) at 50-60 Hz in A	27.3	14.0	38.0	5.6	7.0
20	Weight of Cable (Nominal) in Kg/Km	260	154	256	783	290
21	Length of Drum in m	500	500	500	250	500
22	Route Lenth for 1V drop, 1 phase in m	3.2	1.5	2.1	1.8	1.4
	SOTR	EED 50-12 (Rev 2)	EED 50-12 (Rev 2)	EED 50-12 (Rev 2)	EED 50-12 (Rev 2)	EED 50-12 (Rev 2)
	Table No.	29	29	29	29	29
	APPLICABLE TEST SCHEDULE & REPORTS AS PER EED 50-12	APPENDIX A, C & D	APPENDIX A, C & D	APPENDIX A, C & D	APPENDIX A, C & D	APPENDIX A, C & D

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mm hr

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EED 50-12