



**CONTINUITY OF COVERING FOR ENAMELLED ROUND COPPER WINDING WIRES  
(BASIS: IS 13730-.. & IS 13778 – 5)**

Conductor	Nominal Conductor diameter				Pulley arrange ment	Test Voltage V (D.C.)			Permissible Faults Per 30 m [*]		
	(mm)		(SWG)			Grade 1	Grade 2	Grade 3	Grade 1	Grade 2	Grade 3
	Over	Up to & Includin g	From	To							
Copper	0.05	0.08	47	45		250	500	750	60	24	3
	0.08	0.125	44	40		350	500	750	40	15	3
	0.125	0.25	39	34		500	750	1000	25	5	3
	0.25	0.5	33	26		750	1000	1500	25	5	3
	0.5	1.6	23	17		1000	1500	2000	25	5	3

Note: [\*] For enameled round copper wires with all types of insulation