

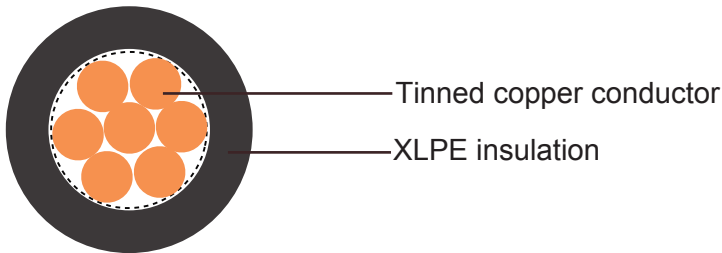


IMSA 51-3(Loop Detector Cable)

Application

These cables are designed for use in municipal signal systems as “Loop Detector Wire”. These wires are installed in pavement saw cuts at traffic intersections to detect the presence of motor vehicles. The signal is sent to a traffic signal controller to activate the light changes.

Cable Construction



- **Conductor:** Solid or stranded tinned copper per ASTM B-3 or ASTM B-8
- **Insulation:** Black cross-linked polyethylene (XLPE)

Temperature Rating

90°C

Voltage Rating

600 V



Cable Parameter

AWG	No. of Conductor	Solid or Stranded	Insulation Thickness		Overall Diameter		Cable Weight	
			inches	mm	inches	mm	Lbs./Kft	Kg/Km
14	1	Solid	0.030	0.76	0.125	3.18	17	25
14	1	7	0.030	0.76	0.135	3.43	18	27
14	1	19	0.030	0.76	0.135	3.43	18	27
12	1	Solid	0.030	0.76	0.145	3.68	25	37
12	1	7	0.030	0.76	0.155	3.94	26	39
10	1	Solid	0.030	0.76	0.165	4.19	38	57
10	1	7	0.030	0.76	0.18	4.57	39	58
8	1	7	0.045	1.14	0.24	6.10	66	98
6	1	7	0.045	1.14	0.275	6.99	99	147
4	1	7	0.045	1.14	0.325	8.26	151	225
2	1	7	0.045	1.14	0.38	9.65	232	345

